



November 9, 2016

Reference No. 038443-111

Ms. Leslie Patterson
Remedial Project Manager
United States Environmental Protection Agency
Region V
77 West Jackson Boulevard
Mail Code SR-6J
Chicago, Illinois
60604

Ms. Madelyn Adams
Environmental Response and Revitalization
Ohio Environmental Protection Agency
Southwest District Office
401 East Fifth Street
Dayton, Ohio
45402

Mr. Steve Renninger
On-Scene Coordinator
USEPA Region V
Emergency Response Branch
26 West Martin Luther King Drive
Cincinnati, Ohio
45268

Dear Ms. Patterson, Ms. Adams, and Mr. Renninger:

**Re: Progress Report: October 1 through 31, 2016
South Dayton Dump and Landfill Site, Moraine, Ohio (Site)**

This Monthly Progress Report is submitted in accordance with the Administrative Settlement and Order on Consent (ASAOC) for Remedial Investigation/Feasibility Study (RI/FS) Proceeding Under Sections 104, 107, and 122 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended, 42 U.S.C. §§ 9604, 9607, and 9622 (United States Environmental Protection Agency [USEPA]) Docket No. V-W-16-C-011) effective June 11, 2016 (RI/FS ASAOC), and the ASAOC for Removal Action Proceeding Under Sections 104, 106(a), 107, and 122 of the CERCLA, 42 U.S.C. §§ 9604, 9606(a), 9607, and 9622 USEPA Docket No. V-W-13-C-010, effective April 8, 2013 (Removal Action ASAOC), for the period of October 1 through 31, 2016.

The next Progress Report for the month of November 2016 will be submitted on or before December 10, 2016.



Significant Developments in this Reporting Period

RI/FS ASAOC Developments

As reported previously the Respondents have initiated activities regarding access agreements for the RI/FS field work. This includes a review of existing access agreements and updates as required based on the proposed work activities and changes in property ownership. As agreed with USEPA, the access agreements for background sampling locations will be developed following sample location selection.

The Respondents and the owners of the property located at 1951 Dryden Road (Bruce Mangeot and David Girard of B&D Properties) signed a site access agreement for work under the RI/FS on October 13, 2016.

A conference call was held on October 17, 2016, with representatives of USEPA and GHD to discuss questions regarding analytical testing information included in QAPP Worksheet #15. USEPA requested clarification of the procedure for applying screening values in cases where they are lower than the method detection limits and/or quantitation limits. GHD is preparing information in response to these questions, for presentation to USEPA.

Removal Action ASAOC Developments

On October 7, 12, 21 and 28, 2016, GHD completed weekly methane monitoring at GP-2 and Site Area Soil Gas Probes (GP-7, GP-12, GP22-13, GP23-13, GP24A-13, and GP24B-13) in accordance with Addendum 2 of the Vapor Intrusion (VI) Work Plan (GHD, 2015). Methane was not detected in any Site Area Soil Gas Probes during the weekly methane monitoring completed in October 2016, with the exception of GP22-13 on October 12, 2016, where methane was detected at 0.1%. The readings completed on October 28, 2016 indicated methane levels at GP-2 have decreased to less than the lower explosive limit (LEL) for both filtered and unfiltered readings (40 – 90% of the LEL). GHD will cease weekly methane monitoring in accordance with agency discussions on October 26, 2016. Methane monitoring results are provided in Tables 1, 2, and 3.

On October 7, 12, 21, and 28, 2016, GHD completed methane monitoring at underground utilities located in the area of GP-2 including storm inlets 1 through 6 (S.I.-1, S.I.-2, S.I.-3, S.I.-4, S.I.-5, and S.I.-6), manholes 7 through 10 (M.H.-7, M.H.-8, M.H.-9, and M.H.-10), and sanitary manhole 1 (S.M.H.-1). Methane readings and trends at underground utility locations were consistent throughout October 2016, with no elevated methane levels detected in utility corridors. Methane monitoring results of underground utilities in the vicinity of GP-2 are provided in Table 4.

On October 14, 2016, GHD provided Dayton Power and Light (DP&L, Ms. Clark and Mr. Elder) with a summary table of weekly methane monitoring at GP-2. GHD provided an updated summary table on October 31, 2016.

On October 24, 2016, GHD (on behalf of the Respondents) provided USEPA with Technical Report GP-2 Methane Monitoring Summary and Assessment (GHD, 2016).



On October 26, 2016, the Respondents, GHD, USEPA, and Ohio EPA participated in a conference call regarding the elevated methane levels at soil gas probe GP-2.

During the October 26 conference call, the participants discussed the following topics:

- GHD presented monitoring results from October 21st, and also summarized previous results. At the time of the call, methane remained present at GP-2, and unfiltered methane levels remained greater than the LEL. October unfiltered methane readings at GP-2: 12-foot and 16-foot intervals were between 4-6% and 10-13%, respectively. Methane was not detected at any of the Site Area soil gas probes (GP-7, GP-12, GP22-13, GP23-13, GP24A-13, and GP24B-13).
- GHD confirmed methane readings and trends at all locations are consistent over the past 12 weeks, with no elevated methane in utility corridors. USEPA stated that methane levels at GP-2 are anticipated to drop to below the LEL soon as in past years.
- USEPA agreed that the presence of methane at GP-2 is from a DP&L source but requested Respondents to continue methane monitoring at GP-2 until methane levels are less than 5% (i.e., LEL).
- USEPA asked if Ohio EPA had received any additional information from Ohio Bureau of Underground Storage Tank Regulations (BUSTR) regarding possible explosive gas monitoring completed as part of the UST removal at DP&L. Ohio EPA responded that BUSTR has been contacted and noted that BUSTR does not think there is enough evidence to say the methane issue at GP-2 is the result of a DP&L source.
- USEPA stated that weekly methane monitoring at GP-2 should continue until levels are below the LEL, but continued monitoring at other gas probes and buried utilities is not necessary. USEPA requested an email update of weekly monitoring results at GP-2 until methane levels are less than 5%, at which point monthly monitoring would commence in accordance with the VI Mitigation Work Plan. GHD will contact USEPA after consulting with Respondents.
- USEPA has briefly read Technical Report – GP-2 Methane Monitoring Summary and Assessment (GHD, 2016) and proposed further discussion of its contents and the methane issue at GP-2 over the winter months

On October 27, 2016, GHD notified USEPA that the Respondents will conduct weekly monitoring for methane and other field parameters at GP-2 (12 and 16 feet) only, continuing through November (unless the concentrations fall below the LEL before then). GHD will provide monitoring results to the USEPA each week.

On October 31, 2016, GHD provided USEPA with an updated summary table of methane monitoring results at GP-2, underground utilities in the area of GP-2, and Site Area Soil Gas Probes including readings from October 28, 2016. All probes on the west side of Dryden Road exhibited zero percent methane. The methane levels recorded at GP-2 on October 28 have decreased to less than the LEL for both filtered and unfiltered readings (40 – 90% of the LEL). GHD will cease weekly methane monitoring since the methane levels at GP-2 are less than the LEL.



Summaries of all Anticipated Problems and Planned Resolutions

No problems were encountered during the reporting month and none are currently anticipated.

Projected Work for the Next Reporting Period

- The Respondents and USEPA On-Scene Coordinator will continue to work together to discuss VI mitigation measures and implement the mitigation work plan. This includes further discussion regarding GP-2 information provided to USEPA on October 24, 2016.
- Provide further information to USEPA in response to questions concerning QAPP Worksheet #15.
- Provide site photographs related to soil sampling locations where lead was detected in previous investigations, as requested by USEPA.

Should you have any questions on the above, please do not hesitate to contact us.

Sincerely,

GHD

A handwritten signature in blue ink that reads "Julian Hayward".

Julian Hayward

BR/cb/5

Encl.

cc: (all by pdf)	Wendell Barner, Barner Consulting	Steve Quigley, GHD
	Tim Hoffman, Dinsmore & Shohl	Brett Fishwild, CH2M Hill
	Robin Lunn, Neal, Gerber & Eisenberg	Ken Brown, ITW
	Bryan Heath, NCR	Jim Campbell, EMI
	Scott Blackhurst, Kelsey Hayes Company	Wray Blattner, Thompson Hine
	Valerie Chan, GHD	Ben Prevost, NCR

Table 1

Page 1 of 17

Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)
		Time (ppm)	(%)	(%)	(%)	(%)			
5173 / 1 / Storage area ambient air, without filter	1/19/2012	11:50	0.9	22.1	0.1	0.0	ND(1) ¹		
5173 / 1 / C / Storage area, without filter		12:01	391	7.5	2.7	0.9	19		
5173 / 1 / Storage area ambient air, without filter	1/24/2012	10:00	0	21.5	0.0	0.0	0		
5173 / 1 / C / Storage area, without filter		10:09	96.7	5.5	2.8	0.9	19		
5173 / 1 / Storage area ambient air, without filter	1/31/2012	10:50	1	21.6	0.0	0.0	0		
5173 / 1 / C / Storage area, without filter		11:14	182.7	5.5	3.1	1.1	25		
5173 / 1 / Storage area ambient air, without filter	2/7/2012	10:44	0.1	21.7	0.1	0.0	0		
5173 / 1 / C / Storage area, without filter		10:56	142.3	10.9	1.8	0.9	21		
5173 / 1 / Storage area ambient air, without filter	2/16/2012	10:40	0.1	20.5	0.1	0.0	0		
5173 / 1 / C / Storage area with filter		11:04	79.4	14.1	3.1	0.5	10		
5173 / 1 / C / Storage area without filter		11:04	79.4	18.1	0.3	0.2	3		
5173 / 1 / Storage area ambient air, without filter	3/1/2012	11:36	0.1	21.4	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		12:46	196.5	13.8	0.2	0.3	7		
5173 / 1 / C / Storage area without filter		12:48	196.5	16.9	1.5	0.4	9		
5173 / 1 / Storage area ambient air		9:32	0	20.1	0.8	0.0	0		
5173 / 1 / C / Storage area with filter		10:20	101.2	1.0	3.3	0.8	18		
5173 / 1 / C / Storage area without filter			101.2	0.4	4.7	1.4	27		
5173 / 1 / A ambient air without filter	3/13/2012	9:57	0	21.0	0.1	0.0	0		
5173 / 1 / A with filter		10:15	0	16.9	3.0	0.0	0		
5173 / 1 / B ambient air without filter		9:30	0	21.4	0.0	0.0	0		
5173 / 1 / B with filter		9:48	0.2	9.1	7.9	0.0	0		
5173 / 1 / Storage area ambient air, without filter	3/22/2012	11:50	0	20.5	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		12:44	105.8	3.2	1.2	0.7	11		
5173 / 1 / C / Storage area without filter		12:47	105.8	3.0	5.1	1.1	24		
5173 / 1 / Storage area ambient air, without filter	3/27/2012		0.1	21.5	0.0	0.0	0		
5173 / 1 / C / Storage area with filter			17.1	3.9	1.9	0.9	17		
5173 / 1 / C / Storage area without filter		10:56	17.1	5.9	5.4	1.2	26		
5173 / 1 / Storage area ambient air, without filter	4/3/2012	12:30	0	21.0	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		13:09	136.8	1.9	0.4	0.8	19		
5173 / 1 / C / Storage area without filter		13:10	136.8	1.7	5.1	1.4	29		
5173 / 1 / Storage area ambient air, without filter	4/10/2012	11:05	0	21.6	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		11:52	206.1	3.0	0.5	0.8	19		
5173 / 1 / C / Storage area without filter		11:53	206.1	3.1	1.2	0.9	27		
5173 / 1 / Storage area ambient air, without filter	4/17/2012	10:15	0	21.5	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		10:32	129.8	2.3	2.2	0.9	19		
5173 / 1 / C / Storage area without filter		10:37	129.8	1.5	5.5	1.4	28		
5173 / 1 / Storage area ambient air, without filter	4/26/2012	11:13	0	21.0	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		11:27	120.7	2.2	1.7	0.9	10		
5173 / 1 / C / Storage area without filter		11:31	120.7	14.9	1.6	0.5	12		
5173 / 1 / Storage area ambient air, without filter	5/3/2012	11:33	0	20.2	0.1	0.0	0		
5173 / 1 / C / Storage area with filter		11:45	122.1	15.2	0.8	0.3	5		
5173 / 1 / C / Storage area without filter		11:48	122.1	9.5	3.4	0.7	14		
5173 / 1 / Storage area ambient air, without filter	5/10/2012	13:58	0	20.6	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		14:10	167.9	10.7	0.9	0.6	14		
5173 / 1 / C / Storage area without filter		14:11	167.9	7.8	3.8	0.9	18		
5173 / 1 / Storage area ambient air, without filter	5/15/2012		0	20.1	0.0	0.0	0		
5173 / 1 / C / Storage area with filter			80.4	10.7	0.2	0.5	10		
5173 / 1 / C / Storage area without filter			80.4	20.8	0.3	0.1	2		
5173 / 1 / Storage area ambient air, without filter	5/24/2012	13:15	0.0	20.8	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		13:39	107.1	1.2	6.2	0.9	18		
5173 / 1 / C / Storage area without filter		13:47	107.1	2.2	6.4	1.3	26		
5173 / 1 / Storage area ambient air, without filter	5/31/2012	11:04	0.0	20.4	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		11:14	116.6	8.7	1.5	0.3	7		
5173 / 1 / C / Storage area without filter		11:20	116.6	16.8	2.0	0.7	27		
5173 / 1 / Storage area ambient air, without filter	6/7/2012	10:24	0.0	20.9	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		10:33	102.2	0.9	6.2	1.1	22		
5173 / 1 / C / Storage area without filter		10:44	102.2	1.8	7.0	1.4	28		
5173 / 1 / Storage area ambient air, without filter	6/14/2012	10:55	0.0	20.4	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		11:07	72.0	5.5	3.5	0.7	20		
5173 / 1 / C / Storage area without filter		11:13	72.0	3.8	4.3	1.0	21		
5173 / 1 / Storage area ambient air, without filter	6/19/2012	10:33	0.0	20.2	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		10:55	78.0	1.8	2.3	1.3	26		
5173 / 1 / C / Storage area without filter		10:57	78.0	1.3	7.3	2.2	43		
5173 / 1 / Storage area ambient air, without filter	6/28/2012	10:01	0.0	20.4	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		10:11	65.7	5.8	3.2	0.7	21		
5173 / 1 / C / Storage area without filter		10:11	65.7	3.7	4.7	1.1	27		
5173 / 1 / Storage area ambient air, without filter	7/3/2012	10:15	0.0	19.7	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		10:56	68.0	1.9	7.6	1.7	36		
5173 / 1 / C / Storage area without filter		10:58	68.0	1.9	6.4	1.3	25		

Table 1

Page 2 of 17

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Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)
		Time (ppm)	(%)	(%)	(%)	(%)			
5173 / 1	7/11/2012			Access unavailable					
5173 / 1 / Storage area ambient air, without filter	7/19/2012	13:15	0.1	20.4	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		13:40	65.9	1.7	6.5	1.8	38		
5173 / 1 / C / Storage area without filter		13:40	65.9	1.6	7.9	2.6	51		
5173 / 1 / Storage area ambient air, without filter	7/26/2012	9:45	0.0	20.2	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		9:54	0.0	2.4	6.2	1.9	43		
5173 / 1 / C / Storage area without filter		9:54	0.0	1.0	7.7	3.2	63		
5173 / 1 / Storage area ambient air, with filter		9:40	0.0	20.6	0.0	0.0	0		
5173 / 1 / Storage area ambient air, without filter	8/2/2012	9:40	0.0	20.7	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		9:52	79.6	9.2	0.1	1.1	17		
5173 / 1 / C / Storage area without filter		9:52	79.6	6.9	5.3	1.8	38		
5173 / 1 / Storage area ambient air, with filter		9:57	--	--	--	--	0		
5173 / 1 / Storage area ambient air, without filter	8/7/2012	9:57	0.3	20.7	0.1	0.0	0		
5173 / 1 / C / Storage area with filter		10:06	--	--	--	--	43		
5173 / 1 / C / Storage area without filter		10:06	116.5	3.7	6.7	2.9	57		
5173 / 1 / A / Office area ambient air with filter		11:55	0.1	20.3	0.0	0.0	0		
5173 / 1 / A / Office area ambient air without filter		11:55	0.1	20.2	0.0	0.0	0		
5173 / 1 / A / Office area with filter		11:58	2.5	19.5	0.3	0.0	0		
5173 / 1 / A / Office area without filter		11:58	2.5	19.7	0.9	0.0	0		
5173 / 1 / B / Firing Range	8/16/2012		Inaccessible due to Firing Range operation						
5173 / 1 / Storage area ambient air, with filter		11:52	0.3	20.6	0.0	0.0	0		
5173 / 1 / Storage area ambient air, without filter		11:52	0.3	20.6	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		12:26	100.7	0.5	6.1	2.2	47		
5173 / 1 / C / Storage area without filter		12:26	100.7	1.3	6.7	3.1	62		
5173 / 1 / A / Office area ambient air with filter		14:05	0.0	21.1	0.0	0.0	0		
5173 / 1 / A / Office area ambient air without filter		14:05	0.0	21.0	0.0	0.0	0		
5173 / 1 / A / Office area with filter		14:20	2.0	19.5	0.1	0.0	0		
5173 / 1 / A / Office area without filter		14:20	2.0	19.7	0.8	0.0	0		
5173 / 1 / B / Firing Range ambient air with filter		13:45	0.0	20.4	0.0	0.0	0		
5173 / 1 / B / Firing Range ambient air without filter		13:45	0.0	20.4	0.0	0.0	0		
5173 / 1 / B / Firing Range with filter		13:55	2.3	4.4	12.2	0.0	0		
5173 / 1 / B / Firing Range without filter		13:55	2.3	6.3	11.0	0.0	0		
5173 / 1 / Storage area ambient air, with filter		14:25	0.0	21.1	0.0	0.0	0		
5173 / 1 / Storage area ambient air, without filter		14:25	0.0	21.4	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		14:37	110.9	0.5	5.0	2.1	42		
5173 / 1 / C / Storage area without filter		14:37	110.9	4.8	5.1	2.3	46		
5173 / 1 / A / Office area ambient air without filter		0.0	20.0	0.0	0.0	0			
5173 / 1 / A / Office area with filter		13:44	0.5	19.5	0.9	0.0	0		
5173 / 1 / A / Office area without filter		13:44	0.5	19.4	1.0	0.0	0		
5173 / 1 / B / Firing Range ambient air without filter		13:57	0.0	20.7	0.0	0.0	0		
5173 / 1 / B / Firing Range with filter	8/30/2012	14:07	1.2	5.5	11.0	0.0	0		
5173 / 1 / B / Firing Range without filter		14:07	1.2	5.3	11.6	0.0	0		
5173 / 1 / Storage area ambient air, without filter		13:03	0.0	20.5	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		13:21	39.1	1.4	3.8	1.9	39		
5173 / 1 / C / Storage area without filter		13:21	39.1	0.9	6.6	2.8	57		
5173 / 1 / A / Office area ambient air with filter		0.0	20.6	0.0	0.0	0			
5173 / 1 / A / Office area ambient air without filter		0.0	20.8	0.0	0.0	0			
5173 / 1 / A / Office area with filter		14:07	3.8	19.4	0.1	0.0	0		
5173 / 1 / A / Office area without filter		14:07	3.8	19.2	0.9	0.0	0		
5173 / 1 / B / Firing Range ambient air with filter		0.0	20.3	0.0	0.0	0			
5173 / 1 / B / Firing Range ambient air without filter		0.0	20.4	0.0	0.0	0			
5173 / 1 / B / Firing Range with filter	9/6/2012	14:00	3.8	62.0	9.9	0.0	0		
5173 / 1 / B / Firing Range without filter		14:00	3.8	63.0	11.4	0.0	0		
5173 / 1 / Storage area ambient air, with filter		13:20	0.0	20.3	0.0	0.0	0		
5173 / 1 / Storage area ambient air, without filter		13:20	0.0	20.2	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		13:41	140.4	0.9	5.0	1.9	38		
5173 / 1 / C / Storage area without filter		13:41	140.4	0.8	6.3	2.8	58		
5173 / 1 / A / Office area ambient air with filter		0.0	20.9	0.0	0.0	0			
5173 / 1 / A / Office area ambient air without filter		0.0	20.7	0.0	0.0	0			
5173 / 1 / A / Office area with filter		12:08	0.5	19.6	0.2	0.0	0		
5173 / 1 / A / Office area without filter		12:08	0.5	19.2	1.0	0.0	0		
5173 / 1 / B / Firing Range ambient air with filter		0.0	21.3	0.0	0.0	0			
5173 / 1 / B / Firing Range ambient air without filter		0.0	21.1	0.0	0.0	0			
5173 / 1 / B / Firing Range with filter		12:23	1.9	5.8	9.7	0.0	0		
5173 / 1 / B / Firing Range without filter		12:23	1.9	5.5	11.8	0.0	0		
5173 / 1 / Storage area ambient air, with filter		0.0	21.2	0.0	0.0	0			
5173 / 1 / Storage area ambient air, without filter		0.0	21.2	0.0	0.0	0			
5173 / 1 / C / Storage area with filter		60.2	0.8	5.1	2.3	45			
5173 / 1 / C / Storage area without filter		60.2	1.0	6.0	2.7	55			

Table 1

Page 3 of 17

Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)			
		Time (ppm)	(%)	(%)	(%)	(%)						
5173 / 1 / A / Office area ambient air with filter	9/20/2012	11:55	0.0	20.3	0.1	0.0	low 70s	none				
5173 / 1 / A / Office area ambient air without filter		11:55	0.0	20.3	0.0	0.0						
5173 / 1 / A / Office area with filter		12:04	0.6	18.0	0.2	0.0						
5173 / 1 / A / Office area without filter		12:04	0.6	17.8	1.5	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		12:15	0.0	20.9	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		12:15	0.0	20.9	0.0	0.0						
5173 / 1 / C / Storage area with filter		12:23	88.5	1.9	4.5	2.0						
5173 / 1 / C / Storage area without filter		12:23	88.5	1.8	5.3	2.6						
5173 / 1 / SIM Trainer		Inaccessible						60s - 70s	none			
5173 / 1 / A / Office area ambient air with filter	9/27/2012	13:05	0.0	21.1	0.0	0.0	mid 60s	light rain				
5173 / 1 / A / Office area ambient air without filter		13:05	0.0	21.1	0.0	0.0						
5173 / 1 / A / Office area with filter		13:09	0.7	15.6	0.7	0.0						
5173 / 1 / A / Office area without filter		13:09	0.7	17.4	1.6	0.0						
5173 / 1 / B / Firing Range ambient air with filter		12:50	0.0	20.9	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		12:50	0.0	20.9	0.0	0.0						
5173 / 1 / B / Firing Range with filter		13:00	0.7	4.6	10.3	0.0						
5173 / 1 / B / Firing Range without filter		13:00	0.7	4.7	10.5	0.0						
5173 / 1 / Storage area ambient air, with filter		13:13	0.0	21.2	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:13	0.0	21.2	0.0	0.0						
5173 / 1 / C / Storage area with filter	10/2/2012	13:17	57.3	0.8	5.8	2.0	mid 60s	light rain				
5173 / 1 / C / Storage area without filter		13:17	57.3	0.9	5.0	2.8						
5173 / 1 / A / Office area ambient air with filter		13:15	0.0	21.2	0.1	0.0						
5173 / 1 / A / Office area ambient air without filter		13:15	0.0	21.3	0.0	0.0						
5173 / 1 / A / Office area with filter		13:44	0.8	16.3	2.4	0.0						
5173 / 1 / A / Office area without filter		13:44	0.8	16.2	2.5	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		13:17	0.0	21.3	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:17	0.0	21.3	0.0	0.0						
5173 / 1 / C / Storage area with filter		13:50	104.2	1.8	3.8	1.5						
5173 / 1 / C / Storage area without filter		13:50	104.2	1.9	4.3	1.9						
5173 / 1 / A / Office area ambient air with filter	10/18/2012	13:35	0.0	21.0	0.1	0.0	mid 70s	none				
5173 / 1 / A / Office area ambient air without filter		13:35	0.0	21.0	0.1	0.0						
5173 / 1 / A / Office area with filter		14:44	0.8	16.3	2.4	0.0						
5173 / 1 / A / Office area without filter		14:44	0.8	16.2	2.5	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		13:17	0.0	21.3	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:17	0.0	21.3	0.0	0.0						
5173 / 1 / C / Storage area with filter		13:50	104.2	1.8	3.8	1.5						
5173 / 1 / C / Storage area without filter		13:50	104.2	1.9	4.3	1.9						
5173 / 1 / A / Office area ambient air with filter		13:35	0.0	21.0	0.1	0.0						
5173 / 1 / A / Office area ambient air without filter	10/25/2012	13:35	0.0	21.0	0.1	0.0	70s	none				
5173 / 1 / A / Office area with filter		14:17	2.4	15.6	0.8	0.0						
5173 / 1 / A / Office area without filter		14:17	2.4	15.2	2.6	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:06	0.0	20.5	0.1	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:06	0.0	20.3	0.0	0.0						
5173 / 1 / B / Firing Range with filter		14:20	1.0	3.8	9.6	0.0						
5173 / 1 / B / Firing Range without filter		14:20	1.0	4.1	10.0	0.0						
5173 / 1 / Storage area ambient air, with filter		13:20	0.0	21.0	0.1	0.0						
5173 / 1 / Storage area ambient air, without filter		13:20	0.0	20.9	0.0	0.0						
5173 / 1 / C / Storage area with filter		14:24	72.9	1.3	3.7	1.5						
5173 / 1 / C / Storage area without filter		14:24	72.9	1.4	4.1	2.0						
5173 / 1 / A / Office area ambient air with filter	10/30/2012	13:35	0.0	21.9	0.1	0.0	30s - 40s	snow & rain				
5173 / 1 / A / Office area ambient air without filter		13:35	0.0	21.9	0.1	0.0						
5173 / 1 / A / Office area with filter		14:55	1.6	14.2	1.8	0.0						
5173 / 1 / A / Office area without filter		14:55	1.6	14.3	3.2	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:48	0.0	21.3	0.1	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:48	0.0	21.4	0.0	0.0						
5173 / 1 / B / Firing Range with filter		15:02	1.6	4.0	9.5	0.0						
5173 / 1 / B / Firing Range without filter		15:02	1.6	4.1	10.5	0.0						
5173 / 1 / Storage area ambient air, with filter		13:20	0.0	22.2	0.1	0.0						
5173 / 1 / Storage area ambient air, without filter		13:20	0.0	22.1	0.1	0.0						
5173 / 1 / C / Storage area with filter	11/8/2012	15:06	79.5	1.2	4.3	1.6	30s - 40s	none				
5173 / 1 / C / Storage area without filter		15:06	79.5	1.4	4.1	2.1						
5173 / 1 / A / Office area ambient air with filter		14:02	1.4	21.4	0.1	0.0						
5173 / 1 / A / Office area ambient air without filter		14:02	1.4	21.5	0.1	0.0						
5173 / 1 / A / Office area with filter		15:21	4.2	13.7	3.2	0.0						
5173 / 1 / A / Office area without filter	11/8/2012	15:21	4.2	13.7	3.6	0.0	30s - 40s	none				
5173 / 1 / B / Firing Range ambient air with filter		14:15	1.2	21.0	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		14:15	1.2	21.1	0.0	0.0						
5173 / 1 / B / Firing Range with filter		15:26	1.8	4.5	9.5	0.0						
5173 / 1 / B / Firing Range without filter		15:26	1.8	4.8	9.9	0.0						
5173 / 1 / Storage area ambient air, with filter		13:35	1.3	20.9	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:35	1.3	21.1	0.0	0.0						
5173 / 1 / C / Storage area with filter		15:36	165.5	1.2	3.2	1.4						
5173 / 1 / C / Storage area without filter		15:36	165.5	2.2	3.5	1.6						

Table 1

Page 4 of 17

Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)		
		Time (ppm)	(%)	(%)	(%)	(%)					
5173 / 1 / A / Office area ambient air with filter	11/15/2012	13:37	0.0	21.7	0.2	0.0	0	none			
5173 / 1 / A / Office area ambient air without filter		13:37	0.0	21.8	0.1	0.0	0				
5173 / 1 / A / Office area with filter		15:32	0.0	14.3	3.3	0.0	0				
5173 / 1 / A / Office area without filter		15:32	0.0	14.6	3.6	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		13:58	0.0	21.7	0.1	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter		13:58	0.0	21.9	0.0	0.0	0				
5173 / 1 / B / Firing Range with filter		15:43	0.0	4.3	9.5	0.0	0				
5173 / 1 / B / Firing Range without filter		15:43	0.0	4.5	9.8	0.0	0				
5173 / 1 / Storage area ambient air, with filter		13:15	0.0	21.8	0.2	0.0	0				
5173 / 1 / Storage area ambient air, without filter		13:15	0.0	21.4	0.0	0.0	0				
5173 / 1 / C / Storage area with filter		15:45	92.6	1.4	2.5	1.0	21				
5173 / 1 / C / Storage area without filter		15:45	92.6	1.4	3.4	1.3	27				
5173 / 1 / A / Office area ambient air with filter	11/20/2012	13:03	0.0	20.9	0.1	0.0	0	Trace			
5173 / 1 / A / Office area ambient air without filter		13:03	0.0	20.9	0.1	0.0	0				
5173 / 1 / A / Office area with filter		14:45	0.0	13.8	3.2	0.0	0				
5173 / 1 / A / Office area without filter		14:45	0.0	13.9	3.6	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		13:09	0.0	21.0	0.1	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter		13:09	0.0	21.1	0.0	0.0	0				
5173 / 1 / B / Firing Range with filter		14:50	0.0	4.6	9.7	0.0	0				
5173 / 1 / B / Firing Range without filter		14:50	0.0	4.7	10.1	0.0	0				
5173 / 1 / Storage area ambient air, with filter		13:08	0.0	20.9	0.1	0.0	0				
5173 / 1 / Storage area ambient air, without filter		13:08	0.0	21.0	0.0	0.0	0				
5173 / 1 / C / Storage area with filter		14:53	183.7	13.6	1.3	0.4	9				
5173 / 1 / C / Storage area without filter		14:53	183.7	10.8	1.8	0.8	16				
5173 / 1 / A / Office area ambient air with filter	11/29/2012	12:31	0.6	21.3	0.1	0.0	0	None			
5173 / 1 / A / Office area ambient air without filter		12:31	0.6	21.3	0.1	0.0	0				
5173 / 1 / A / Office area with filter		14:05	1.8	13.1	4.0	0.0	0				
5173 / 1 / A / Office area without filter		14:05	1.8	13.3	4.1	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		12:40	0.4	21.2	0.1	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter		12:40	0.4	21.2	0.1	0.0	0				
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation									
5173 / 1 / Storage area ambient air, with filter		12:37	0.3	21.3	0.0	0.0	0				
5173 / 1 / Storage area ambient air, without filter		12:37	0.3	21.3	0.0	0.0	0				
5173 / 1 / C / Storage area with filter		14:23	120.4	2.4	2.8	1.1	22				
5173 / 1 / C / Storage area without filter		14:23	120.4	2.2	3.0	1.5	30				
5173 / 1 / A / Office area ambient air with filter	12/4/2012	13:26	0.0	21.3	0.0	0.0	0	rainy (~0.3 inches)			
5173 / 1 / A / Office area ambient air without filter		13:26	0.0	21.2	0.1	0.0	0				
5173 / 1 / A / Office area with filter		15:29	0.1	13.6	4.5	0.0	0				
5173 / 1 / A / Office area without filter		15:29	0.1	13.7	4.2	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		14:17	0.0	21.0	0.1	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter		14:17	0.0	21.0	0.0	0.0	0				
5173 / 1 / B / Firing Range with filter		15:34	0.2	9.1	7.1	0.0	0				
5173 / 1 / B / Firing Range without filter		15:34	0.2	9.1	7.3	0.0	0				
5173 / 1 / Storage area ambient air, with filter		13:07	0.0	21.4	0.0	0.0	0				
5173 / 1 / Storage area ambient air, without filter		13:07	0.0	21.0	0.0	0.0	0				
5173 / 1 / C / Storage area with filter		15:39	66.6	1.6	4.2	1.0	19				
5173 / 1 / C / Storage area without filter		15:39	66.6	1.6	3.6	1.3	27				
5173 / 1 / A / Office area ambient air with filter	12/13/2012	14:18	0.0	22.0	0.0	0.0	0	sunny			
5173 / 1 / A / Office area ambient air without filter		14:18	0.0	22.0	0.0	0.0	0.0				
5173 / 1 / A / Office area with filter		15:17	0.0	14.9	2.5	0.1 U	1 U				
5173 / 1 / A / Office area without filter		15:17	0.0	14.6	4.2	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		13:54	0.0	22.0	0.0	0.1 U	2 U				
5173 / 1 / B / Firing Range ambient air without filter		13:54	0.0	21.8	0.1	0.0	0				
5173 / 1 / B / Firing Range with filter		15:23	1.6	6.4	8.8	0.0	1 U				
5173 / 1 / B / Firing Range without filter		15:23	1.6	6.1	9.7	0.1	1				
5173 / 1 / Storage area ambient air, with filter		13:58	0.0	22.0	0.1	0.1 U	2 U				
5173 / 1 / Storage area ambient air, without filter		13:58	0.0	22.1	0.1	0.0	0				
5173 / 1 / C / Storage area with filter		15:34	109.7	2.0	2.6	1.0	19				
5173 / 1 / C / Storage area without filter		15:34	109.7	1.9	3.2	1.2	25				
5173 / 1 / A / Office area ambient air with filter	12/18/2012	13:55	0.0	21.7	0.1	0.0	0	none			
5173 / 1 / A / Office area ambient air without filter		13:55	0.0	21.6	0.2	0.0	0				
5173 / 1 / A / Office area with filter		14:41	0.8	14.9	3.8	0.0	0				
5173 / 1 / A / Office area without filter		14:41	0.8	14.7	4.6	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		14:04	0.0	21.5	0.1	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter		14:04	0.0	21.6	0.1	0.0	0				
5173 / 1 / B / Firing Range with filter		14:51	0.7	6.2	9.3	0.0	0				
5173 / 1 / B / Firing Range without filter		14:51	0.7	6.4	9.7	0.0	0				
5173 / 1 / Storage area ambient air, with filter		13:58	0.0	21.4	0.3	0.0	0				
5173 / 1 / Storage area ambient air, without filter		13:58	0.0	21.4	0.4	0.0	0				
5173 / 1 / C / Storage area with filter		14:56	114.9	1.3	3.8	0.9	19				
5173 / 1 / C / Storage area without filter		14:56	114.9	1.4	3.6	1.3	26				

Table 1

Page 5 of 17

Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)
		Time (ppm)	(%)	(%)	(%)	(%)			
5173 / 1 / A / Office area ambient air with filter	12/27/2012	13:05	0.0	21.0	0.0	0.0	30s	none	
5173 / 1 / A / Office area ambient air without filter		13:05	0.0	21.0	0.0	0.0			
5173 / 1 / A / Office area with filter		14:15	0.7	15.4	4.1	0.0			
5173 / 1 / A / Office area without filter		14:15	0.7	15.5	4.1	0.0			
5173 / 1 / B / Firing Range ambient air with filter		13:03	0.0	21.1	0.0	0.0			
5173 / 1 / B / Firing Range ambient air without filter		13:03	0.0	21.1	0.0	0.0			
5173 / 1 / B / Firing Range with filter		14:25	0.5	8.1	8.7	0.0			
5173 / 1 / B / Firing Range without filter		14:25	0.5	7.8	9.0	0.0			
5173 / 1 / Storage area ambient air, with filter		13:00	0.0	21.0	0.0	0.0			
5173 / 1 / Storage area ambient air, without filter		13:00	0.0	21.0	0.0	0.0			
5173 / 1 / C / Storage area with filter	12/27/2012	14:35	75.0	16.5	1.1	0.3	30s	none	
5173 / 1 / C / Storage area without filter		14:35	75.0	12.0	1.5	0.5			
5173 / 1 / A / Office area ambient air with filter	1/3/2013	12:50	0.1	21.2	0.1	0.0	10s - 20s	None	
5173 / 1 / A / Office area ambient air without filter		12:50	0.1	21.2	0.1	0.0			
5173 / 1 / A / Office area with filter		14:15	0.3	17.9	2.4	0.0			
5173 / 1 / A / Office area without filter		14:15	0.3	16.9	3.2	0.0			
5173 / 1 / B / Firing Range ambient air with filter		12:57	0.0	21.2	0.0	0.0			
5173 / 1 / B / Firing Range ambient air without filter		12:57	0.0	21.2	0.0	0.0			
5173 / 1 / B / Firing Range with filter		14:26	0.4	8.7	8.4	0.0			
5173 / 1 / B / Firing Range without filter		14:26	0.4	8.7	8.4	0.0			
5173 / 1 / Storage area ambient air, with filter		12:55	0.0	21.3	0.0	0.0			
5173 / 1 / Storage area ambient air, without filter		12:55	0.0	21.3	0.0	0.0			
5173 / 1 / C / Storage area with filter	1/3/2013	14:34	90.4	4.0	2.6	0.7	10s - 20s	None	
5173 / 1 / C / Storage area without filter		14:34	90.4	2.5	2.7	1.1			
5173 / 1 / A / Office area ambient air with filter	1/10/2013	13:28	0.0	21.1	0.1	0.0	30s	Trace	
5173 / 1 / A / Office area ambient air without filter		13:28	0.0	21.1	0.0	0.0			
5173 / 1 / A / Office area with filter		14:24	1.0	16.0	3.7	0.0			
5173 / 1 / A / Office area without filter		14:24	1.0	16.0	3.9	0.0			
5173 / 1 / B / Firing Range ambient air with filter		13:26	0.1	20.8	0.2	0.0			
5173 / 1 / B / Firing Range ambient air without filter		13:26	0.1	21.0	0.1	0.0			
5173 / 1 / B / Firing Range with filter		14:30	0.9	9.1	7.8	0.0			
5173 / 1 / B / Firing Range without filter		14:30	0.9	9.4	7.9	0.0			
5173 / 1 / Storage area ambient air, with filter		13:24	0.1	21.0	0.1	0.0			
5173 / 1 / Storage area ambient air, without filter		13:24	0.1	21.1	0.0	0.0			
5173 / 1 / C / Storage area with filter	1/10/2013	14:45	52.2	3.1	3.0	0.6	30s	None	
5173 / 1 / C / Storage area without filter		14:45	52.2	3.2	2.8	0.9			
5173 / 1 / A / Office area ambient air with filter	1/17/2013	13:10	0.0	21.3	0.1	0.0	30s	None	
5173 / 1 / A / Office area ambient air without filter		13:10	0.0	21.4	0.0	0.0			
5173 / 1 / A / Office area with filter		14:00	1.0	13.5	4.2	0.0			
5173 / 1 / A / Office area without filter		14:00	1.0	13.5	4.3	0.0			
5173 / 1 / B / Firing Range ambient air with filter		13:08	0.1	21.3	0.1	0.0			
5173 / 1 / B / Firing Range ambient air without filter		13:08	0.1	21.3	0.0	0.0			
5173 / 1 / B / Firing Range with filter		14:07	0.3	8.9	8.5	0.0			
5173 / 1 / B / Firing Range without filter		14:07	0.3	8.9	8.7	0.0			
5173 / 1 / Storage area ambient air, with filter		13:06	0.1	21.3	0.1	0.0			
5173 / 1 / Storage area ambient air, without filter		13:06	0.1	21.3	0.0	0.0			
5173 / 1 / C / Storage area with filter	1/17/2013	14:21	92.9	1.5	3.3	0.8	30s	None	
5173 / 1 / C / Storage area without filter		14:21	92.9	1.6	3.2	1.0			
5173 / 1 / A / Office area ambient air with filter	1/24/2013	13:45	0.0	22.2	0.1	0.0	10 - 20s	None	
5173 / 1 / A / Office area ambient air without filter		13:45	0.0	21.9	0.1	0.0			
5173 / 1 / A / Office area with filter		15:56	0.0	16.2	2.9	0.0			
5173 / 1 / A / Office area without filter		15:56	0.0	15.9	4.1	0.0			
5173 / 1 / B / Firing Range ambient air with filter		13:36	0.0	22.4	0.0	0.0			
5173 / 1 / B / Firing Range ambient air without filter		13:36	0.0	22.4	0.0	0.0			
5173 / 1 / B / Firing Range with filter		16:01	0.4	7.2	8.2	0.0			
5173 / 1 / B / Firing Range without filter		16:01	0.4	6.7	9.0	0.0			
5173 / 1 / Storage area ambient air, with filter		13:25	0.0	21.3	0.0	0.0			
5173 / 1 / Storage area ambient air, without filter		13:25	0.0	20.9	0.0	0.0			
5173 / 1 / C / Storage area with filter	1/24/2013	16:08	53.0	2.5	2.8	0.6	10 - 20s	None	
5173 / 1 / C / Storage area without filter		16:08	53.0	1.9	2.8	0.9			

Table 1

Page 6 of 17

Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)
		Time (ppm)	(%)	(%)	(%)	(%)			
5173 / 1 / A / Office area ambient air with filter	1/31/2013	13:33	0.0	22.1	0.1	0.0	0		
5173 / 1 / A / Office area ambient air without filter		13:33	0.0	22.2	0.1	0.0	0		
5173 / 1 / A / Office area with filter		15:35	0.1	15.7	2.6	0.0	0		
5173 / 1 / A / Office area without filter		15:35	0.1	14.8	4.4	0.0	0		
5173 / 1 / B / Firing Range ambient air with filter		14:10	0.0	22.3	0.1	0.0	0		
5173 / 1 / B / Firing Range ambient air without filter		14:10	0.0	22.6	0.1	0.0	0		
5173 / 1 / B / Firing Range with filter		15:41	0.2	6.4	9.0	0.0	0		
5173 / 1 / B / Firing Range without filter		15:41	0.2	6.6	9.5	0.0	0		
5173 / 1 / C / Storage area ambient air, with filter		13:17	0.0	22.1	0.0	0.0	0		
5173 / 1 / C / Storage area ambient air, without filter		13:17	0.0	21.8	0.1	0.0	0		
5173 / 1 / C / Storage area with filter	2/7/2013	15:46	76.7	1.9	4.3	0.6	12		
5173 / 1 / C / Storage area without filter		15:46	76.7	1.6	3.2	0.9	19		
5173 / 1 / A / Office area ambient air with filter		14:07	0.4	21.8	0.1	0.0	0		
5173 / 1 / A / Office area ambient air without filter		14:07	0.4	21.8	0.2	0.0	0		
5173 / 1 / A / Office area with filter		15:09	0.8	15.4	3.5	0.0	0		
5173 / 1 / A / Office area without filter		15:09	0.8	15.0	4.2	0.0	0		
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation						20s - 50s	none
5173 / 1 / C / Storage area ambient air, with filter		13:54	0.2	21.4	0.1	0.0	0		
5173 / 1 / C / Storage area ambient air, without filter		13:54	0.2	21.2	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		15:21	135.7	2.0	3.4	0.6	13		
5173 / 1 / C / Storage area without filter		15:21	135.7	1.5	3.0	0.9	19		
5173 / 1 / A / Office area ambient air with filter	2/12/2013	13:01	0.1	21.2	0.0	0.0	0		
5173 / 1 / A / Office area ambient air without filter		13:01	0.1	21.2	0.1	0.0	0		
5173 / 1 / A / Office area with filter		14:30	0.9	15.4	3.6	0.0	0		
5173 / 1 / A / Office area without filter		14:30	0.9	15.2	4.3	0.0	0		
5173 / 1 / B / Firing Range ambient air with filter		13:03	0.0	21.2	0.0	0.0	0		
5173 / 1 / B / Firing Range ambient air without filter		13:03	0.0	21.2	0.0	0.0	0		
5173 / 1 / B / Firing Range with filter		14:23	0.4	9.4	7.9	0.0	0		
5173 / 1 / B / Firing Range without filter		14:23	0.4	9.1	7.5	0.0	0		
5173 / 1 / C / Storage area ambient air, with filter		12:59	0.0	21.2	0.0	0.0	0		
5173 / 1 / C / Storage area ambient air, without filter		12:59	0.0	21.2	0.0	0.0	0		
5173 / 1 / C / Storage area with filter	2/21/2013	14:38	109.2	1.9	3.3	0.5	10		
5173 / 1 / C / Storage area without filter		14:38	109.2	3.0	3.0	0.7	13		
5173 / 1 / A / Office area ambient air with filter		13:07	0.0	22.3	0.0	0.0	0		
5173 / 1 / A / Office area ambient air without filter		13:07	0.0	22.3	0.1	0.0	0		
5173 / 1 / A / Office area with filter		0.9	16.0	3.4	0.0	0	0		
5173 / 1 / A / Office area without filter		0.9	16.0	4.0	0.0	0.0	0		
5173 / 1 / B / Firing Range ambient air with filter		13:09	0.1	22.3	0.0	0.0	0		
5173 / 1 / B / Firing Range ambient air without filter		13:09	0.1	22.3	0.1	0.0	0		
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation						20s	trace
5173 / 1 / C / Storage area ambient air, with filter		13:12	0.1	22.2	0.0	0.0	0		
5173 / 1 / C / Storage area ambient air, without filter		13:12	0.1	22.3	0.1	0.0	0		
5173 / 1 / C / Storage area with filter		90.5	1.8	3.0	0.7	13			
5173 / 1 / C / Storage area without filter		90.5	2.0	2.9	0.9	18			
5173 / 1 / A / Office area ambient air with filter	2/28/2013	13:03	0.0	21.1	0.1	0.0	0		
5173 / 1 / A / Office area ambient air without filter		13:03	0.0	21.1	0.1	0.0	0		
5173 / 1 / A / Office area with filter		14:31	0.6	14.7	4.0	0.0	0		
5173 / 1 / A / Office area without filter		14:31	0.6	14.7	4.4	0.0	0		
5173 / 1 / B / Firing Range ambient air with filter		13:21	0.0	21.3	0.0	0.0	0		
5173 / 1 / B / Firing Range ambient air without filter		13:21	0.0	21.3	0.0	0.0	0		
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation						30s - 40s	~1 inch
5173 / 1 / C / Storage area ambient air, with filter		13:15	0.0	21.2	0.0	0.0	0		
5173 / 1 / C / Storage area ambient air, without filter		13:15	0.0	21.2	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		14:36	63.0	2.3	3.2	0.6	13		
5173 / 1 / C / Storage area without filter		14:36	63.0	2.4	3.1	0.8	16		
5173 / 1 / A / Office area ambient air with filter	3/7/2013	14:00	0.4	21.2	0.1	0.0	0		
5173 / 1 / A / Office area ambient air without filter		14:00	0.4	21.2	0.1	0.0	0		
5173 / 1 / A / Office area with filter		14:13	0.0	16.4	2.4	0.0	0		
5173 / 1 / A / Office area without filter		14:13	0.0	15.2	4.4	0.0	0		
5173 / 1 / B / Firing Range ambient air with filter		13:50	0.4	21.6	0.1	0.0	0		
5173 / 1 / B / Firing Range ambient air without filter		13:50	0.4	21.6	0.1	0.0	0		
5173 / 1 / B / Firing Range with filter		14:17	0.0	9.1	7.1	0.0	0		
5173 / 1 / B / Firing Range without filter		14:17	0.0	6.9	9.8	0.0	0		
5173 / 1 / C / Storage area ambient air, with filter		13:40	0.3	21.5	0.3	0.0	0		
5173 / 1 / C / Storage area ambient air, without filter		13:40	0.3	21.5	0.1	0.0	0		
5173 / 1 / C / Storage area with filter		14:21	47.0	5.1	5.0	0.4	8		
5173 / 1 / C / Storage area without filter		14:21	47.0	3.1	3.1	0.8	15		

Table 1

Page 7 of 17

Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)
		Time (ppm)	(%)	(%)	(%)	(%)			
5173 / 1 / A / Office area ambient air with filter	3/14/2013	13:04	0.0	21.1	0.1	0.0	0		
5173 / 1 / A / Office area ambient air without filter		13:04	0.0	21.2	0.1	0.0	0		
5173 / 1 / A / Office area with filter		14:36	0.0	15.2	4.1	0.0	0		
5173 / 1 / A / Office area without filter		14:36	0.0	15.2	4.6	0.0	0		
5173 / 1 / B / Firing Range ambient air with filter		13:33	0.0	21.8	0.0	0.0	0		
5173 / 1 / B / Firing Range ambient air without filter		13:33	0.0	21.7	0.0	0.0	0		
5173 / 1 / B / Firing Range with filter		14:30	0.1	9.4	9.1	0.0	0		
5173 / 1 / B / Firing Range without filter		14:30	0.1	9.6	8.8	0.0	0		
5173 / 1 / Storage area ambient air, with filter		13:18	0.0	21.3	0.0	0.0	0		
5173 / 1 / Storage area ambient air, without filter		13:18	0.0	21.4	0.0	0.0	0		
5173 / 1 / C / Storage area with filter	3/14/2013	14:53	80.1	2.3	3.0	0.4	8		
5173 / 1 / C / Storage area without filter		14:53	80.1	2.4	3.3	0.6	13		
5173 / 1 / A / Office area ambient air with filter	3/21/2013	13:40	0.0	21.2	0.1	0.0	0		
5173 / 1 / A / Office area ambient air without filter		13:40	0.0	21.3	0.1	0.0	0		
5173 / 1 / A / Office area with filter		14:04	0.0	15.1	4.8	0.0	0		
5173 / 1 / A / Office area without filter		14:04	0.0	15.1	4.4	0.0	0		
5173 / 1 / B / Firing Range ambient air with filter		13:15	0.0	21.7	0.0	0.0	0		
5173 / 1 / B / Firing Range ambient air without filter		13:15	0.0	21.8	0.0	0.0	0		
5173 / 1 / B / Firing Range with filter		13:57	0.0	6.7	9.5	0.0	0		
5173 / 1 / B / Firing Range without filter		13:57	0.0	6.8	9.8	0.0	0		
5173 / 1 / Storage area ambient air, with filter		13:17	0.0	21.8	0.0	0.0	0		
5173 / 1 / Storage area ambient air, without filter		13:17	0.0	21.8	0.0	0.0	0		
5173 / 1 / C / Storage area with filter	3/21/2013	14:11	85.5	4.7	3.6	0.5	11		
5173 / 1 / C / Storage area without filter		14:11	85.5	2.5	3.3	0.8	17		
5173 / 1 / A / Office area ambient air with filter	3/28/2013	12:41	0.0	21.3	0.0	0.0	0		
5173 / 1 / A / Office area ambient air without filter		12:41	0.0	21.3	0.0	0.0	0		
5173 / 1 / A / Office area with filter		13:21	0.0	15.4	5.4	0.0	0		
5173 / 1 / A / Office area without filter		13:21	0.0	15.5	4.4	0.0	0		
5173 / 1 / B / Firing Range ambient air with filter		12:42	0.0	21.3	0.0	0.0	0		
5173 / 1 / B / Firing Range ambient air without filter		12:42	0.0	21.3	0.0	0.0	0		
5173 / 1 / B / Firing Range with filter		13:16	0.0	7.3	9.1	0.0	0		
5173 / 1 / B / Firing Range without filter		13:16	0.0	7.2	9.8	0.0	0		
5173 / 1 / Storage area ambient air, with filter		12:44	0.0	21.3	0.0	0.0	0		
5173 / 1 / Storage area ambient air, without filter		12:44	0.0	21.3	0.0	0.0	0		
5173 / 1 / C / Storage area with filter	3/28/2013	13:27	109.0	3.1	3.4	0.6	12		
5173 / 1 / C / Storage area without filter		13:27	109.0	3.3	3.2	0.8	16		
5173 / 1 / A / Office area ambient air with filter	4/4/2013	13:27	0.0	21.3	0.0	0.0	0		
5173 / 1 / A / Office area ambient air without filter		13:27	0.0	21.3	0.0	0.0	0		
5173 / 1 / A / Office area with filter		14:31	0.4	16.1	3.3	0.0	0		
5173 / 1 / A / Office area without filter		14:31	0.4	15.9	3.8	0.0	0		
5173 / 1 / B / Firing Range ambient air with filter		13:32	0.0	21.2	0.0	0.0	0		
5173 / 1 / B / Firing Range ambient air without filter		13:32	0.0	21.2	0.0	0.0	0		
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation							
5173 / 1 / Storage area ambient air, with filter		13:31	0.0	21.2	0.0	0.0	0		
5173 / 1 / Storage area ambient air, without filter		13:31	0.0	21.2	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		14:38	87.2	11.7	1.8	0.4	7		
5173 / 1 / C / Storage area without filter		14:38	87.2	13.3	1.6	0.4	8		
5173 / 1 / A / Office area ambient air with filter	4/9/2013	13:23	0.0	20.4	0.0	0.0	0		
5173 / 1 / A / Office area ambient air without filter		13:23	0.0	20.5	0.0	0.0	0		
5173 / 1 / A / Office area with filter		14:19	1.1	15.5	3.8	0.0	0		
5173 / 1 / A / Office area without filter		14:19	1.1	15.6	4.2	0.0	0		
5173 / 1 / B / Firing Range ambient air with filter		13:30	0.0	20.6	0.0	0.0	0		
5173 / 1 / B / Firing Range ambient air without filter		13:30	0.0	20.6	0.0	0.0	0		
5173 / 1 / B / Firing Range with filter		14:26	1.3	6.5	9.5	0.0	0		
5173 / 1 / B / Firing Range without filter		14:26	1.3	10.0	6.6	0.0	0		
5173 / 1 / Storage area ambient air, with filter		13:31	0.0	20.6	0.0	0.0	0		
5173 / 1 / Storage area ambient air, without filter		13:31	0.0	20.6	0.0	0.0	0		
5173 / 1 / C / Storage area with filter	4/9/2013	14:31	102.1	3.5	3.8	0.5	11		
5173 / 1 / C / Storage area without filter		14:31	102.1	3.7	3.6	0.7	14		
5173 / 1 / A / Office area ambient air with filter	4/18/2013	12:30	0.7	20.6	0.0	0.0	0		
5173 / 1 / A / Office area ambient air without filter		12:30	0.7	20.6	0.0	0.0	0		
5173 / 1 / A / Office area with filter		14:15	1.1	15.2	4.3	0.0	0		
5173 / 1 / A / Office area without filter		14:15	1.1	15.2	4.5	0.0	0		
5173 / 1 / B / Firing Range ambient air with filter		12:37	0.0	20.4	0.0	0.0	0		
5173 / 1 / B / Firing Range ambient air without filter		12:37	0.0	20.4	0.0	0.0	0		
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation							
5173 / 1 / Storage area ambient air, with filter		12:35	0.1	20.4	0.2	0.0	0		
5173 / 1 / Storage area ambient air, without filter		12:35	0.1	20.4	0.1	0.0	0		
5173 / 1 / C / Storage area with filter		14:21	134.9	1.6	5.2	0.6	13		
5173 / 1 / C / Storage area without filter		14:21	134.9	1.7	5.3	0.9	18		

Table 1

Page 8 of 17

Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)			
		Time (ppm)	(%)	(%)	(%)	(%)						
5173 / 1 / A / Office area ambient air with filter	4/23/2013	14:09	0.0	21.4	0.0	0.0	50s - 60s	None				
5173 / 1 / A / Office area ambient air without filter		14:09	0.0	21.4	0.1	0.0						
5173 / 1 / A / Office area with filter		14:55	0.3	16.1	3.0	0.0						
5173 / 1 / A / Office area without filter		14:55	0.3	15.9	4.0	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:52	0.0	20.6	0.1	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:52	0.0	20.6	0.0	0.0						
5173 / 1 / B / Firing Range with filter		14:59	0.2	6.9	10.4	0.0						
5173 / 1 / B / Firing Range without filter		14:59	0.2	6.9	10.8	0.0						
5173 / 1 / Storage area ambient air, with filter		14:00	0.0	21.3	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		14:00	0.0	21.4	0.0	0.0						
5173 / 1 / C / Storage area with filter		15:04	77.6	3.5	4.1	0.5						
5173 / 1 / C / Storage area without filter		15:04	77.6	3.5	4.6	0.8						
5173 / 1 / A / Office area ambient air with filter	4/30/2013	13:39	0.0	21.3	0.0	0.0	40s - 70s	None				
5173 / 1 / A / Office area ambient air without filter		13:39	0.0	21.3	0.0	0.0						
5173 / 1 / A / Office area with filter		14:58	0.0	16.7	3.1	0.0						
5173 / 1 / A / Office area without filter		14:58	0.0	16.6	3.8	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:16	0.0	20.1	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:16	0.0	20.2	0.0	0.0						
5173 / 1 / B / Firing Range with filter		15:02	0.5	7.1	9.6	0.0						
5173 / 1 / B / Firing Range without filter		15:02	0.5	6.8	10.6	0.0						
5173 / 1 / Storage area ambient air, with filter		13:21	0.0	20.6	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:21	0.0	21.0	0.0	0.0						
5173 / 1 / C / Storage area with filter		15:06	60.1	2.5	5.8	0.5						
5173 / 1 / C / Storage area without filter		15:06	60.1	2.6	4.9	0.8						
5173 / 1 / A / Office area ambient air with filter	5/9/2013	13:35	0.0	20.6	0.0	0.0	50s - 70s	None				
5173 / 1 / A / Office area ambient air without filter		13:35	0.0	20.6	20.7	0.0						
5173 / 1 / A / Office area with filter		14:49	0.0	17.5	1.8	0.0						
5173 / 1 / A / Office area without filter		14:49	0.0	17.3	2.8	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:19	0.0	19.5	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:19	0.0	19.6	0.0	0.0						
5173 / 1 / B / Firing Range with filter		14:51	0.4	7.0	10.3	0.0						
5173 / 1 / B / Firing Range without filter		14:51	0.4	7.1	10.8	0.0						
5173 / 1 / Storage area ambient air, with filter		13:27	0.0	20.0	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:27	0.0	20.1	0.0	0.0						
5173 / 1 / C / Storage area with filter		14:55	31.5	2.2	5.8	0.6						
5173 / 1 / C / Storage area without filter		14:55	31.5	2.3	5.5	0.9						
5173 / 1 / A / Office area ambient air with filter	5/16/2013	12:30	0.0	20.7	0.0	0.0	40s - 80s	~1 inch				
5173 / 1 / A / Office area ambient air without filter		12:30	0.0	20.7	0.1	0.0						
5173 / 1 / A / Office area with filter		13:48	1.0	18.1	2.7	0.0						
5173 / 1 / A / Office area without filter		13:48	1.0	17.9	3.1	0.0						
5173 / 1 / B / Firing Range ambient air with filter		12:33	0.0	20.7	0.1	0.0						
5173 / 1 / B / Firing Range ambient air without filter		12:33	0.0	20.7	0.0	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		12:31	0.0	20.7	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		12:31	0.0	20.7	0.0	0.0						
5173 / 1 / C / Storage area with filter		13:59	120.3	1.8	6.5	0.8						
5173 / 1 / C / Storage area without filter		13:59	120.3	1.5	6.6	1.1						
5173 / 1 / A / Office area ambient air with filter	5/21/2013	14:06	0.0	20.5	0.0	0.0	40s - 80s	~0.2 inch				
5173 / 1 / A / Office area ambient air without filter		14:06	0.0	20.5	0.0	0.0						
5173 / 1 / A / Office area with filter		15:37	0.0	18.8	1.8	0.0						
5173 / 1 / A / Office area without filter		15:37	0.0	18.7	2.5	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:50	0.0	19.2	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:50	0.0	19.3	0.0	0.0						
5173 / 1 / B / Firing Range with filter		15:41	0.9	6.7	12.1	0.0						
5173 / 1 / B / Firing Range without filter		15:41	0.9	6.8	12.6	0.0						
5173 / 1 / Storage area ambient air, with filter		13:58	0.0	20.0	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:58	0.0	20.0	0.0	0.0						
5173 / 1 / C / Storage area with filter		15:44	79.5	3.1	7.0	0.6						
5173 / 1 / C / Storage area without filter		15:44	79.5	3.1	6.6	1.0						
5173 / 1 / A / Office area ambient air with filter	5/30/2013	12:20	0.0	20.7	0.0	0.0	50s - 80s	~1.3 inch				
5173 / 1 / A / Office area ambient air without filter		12:20	0.0	20.7	0.0	0.0						
5173 / 1 / A / Office area with filter		13:48	1.7	18.6	2.0	0.0						
5173 / 1 / A / Office area without filter		13:48	1.7	18.4	2.3	0.0						
5173 / 1 / B / Firing Range ambient air with filter		12:34	0.0	20.8	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		12:34	0.0	20.7	0.0	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		12:36	0.0	20.7	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		12:36	0.0	20.7	0.0	0.0						
5173 / 1 / C / Storage area with filter		13:56	137.2	1.5	7.2	0.8						
5173 / 1 / C / Storage area without filter		13:56	137.2	1.6	7.4	1.2						

Table 1

Page 9 of 17

Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)			
		Time (ppm)	(%)	(%)	(%)	(%)						
5173 / 1 / A / Office area ambient air with filter	6/6/2013	13:51	0.1	20.9	0.0	0.0	60s	0.25 inch				
5173 / 1 / A / Office area ambient air without filter		13:51	0.1	20.9	0.1	0.0						
5173 / 1 / A / Office area with filter		15:28	1.8	19.2	2.0	0.0						
5173 / 1 / A / Office area without filter		15:28	1.8	19.0	2.2	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:56	0.0	20.9	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:56	0.0	20.9	0.0	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		13:55	0.0	20.9	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:55	0.0	20.9	0.0	0.0						
5173 / 1 / C / Storage area with filter		15:35	126.8	4.3	6.5	0.8						
5173 / 1 / C / Storage area without filter		15:35	126.8	4.4	6.8	1.1						
5173 / 1 / A / Office area ambient air with filter	6/13/2013	15:25	0.0	20.8	0.0	0.0	60s - 80s	1.55 inches				
5173 / 1 / A / Office area ambient air without filter		15:25	0.0	20.8	0.0	0.0						
5173 / 1 / A / Office area with filter		--	0.0	18.6	2.5	0.0						
5173 / 1 / A / Office area without filter		--	0.0	19.9	0.4	0.0						
5173 / 1 / B / Firing Range ambient air with filter		15:00	0.0	20.9	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		15:00	0.0	20.9	0.0	0.0						
5173 / 1 / B / Firing Range with filter		--	0.7	6.6	12.1	0.0						
5173 / 1 / B / Firing Range without filter		--	0.7	6.6	12.7	0.0						
5173 / 1 / Storage area ambient air, with filter		15:13	0.0	20.8	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		15:13	0.0	20.8	0.0	0.0						
5173 / 1 / C / Storage area with filter	6/20/2013	--	86.4	2.0	7.5	1.0	50s - 80s	None				
5173 / 1 / C / Storage area without filter		--	86.4	1.9	7.6	1.4						
5173 / 1 / A / Office area ambient air with filter		--	0.0	21.0	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		--	0.0	21.0	0.0	0.0						
5173 / 1 / A / Office area with filter		--	0.9	19.4	0.7	0.0						
5173 / 1 / A / Office area without filter		--	0.9	19.2	1.7	0.0						
5173 / 1 / B / Firing Range ambient air with filter		--	0.0	21.0	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		--	0.0	21.0	0.0	0.0						
5173 / 1 / B / Firing Range with filter		--	2.3	6.4	11.8	0.0						
5173 / 1 / B / Firing Range without filter		--	2.3	6.5	12.5	0.0						
5173 / 1 / Storage area ambient air, with filter	6/27/2013	--	0.0	20.9	0.1	0.0	70s - 80s	Trace				
5173 / 1 / Storage area ambient air, without filter		--	0.0	20.9	0.1	0.0						
5173 / 1 / C / Storage area with filter		--	235.1	2.5	7.6	1.0						
5173 / 1 / C / Storage area without filter		--	235.1	2.4	7.4	1.8						
5173 / 1 / A / Office area ambient air with filter		13:12	0.0	21.6	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		13:12	21.5	0.0	0.0	0.0						
5173 / 1 / A / Office area with filter		14:23	0.2	19.8	0.7	0.0						
5173 / 1 / A / Office area without filter		14:23	0.2	19.6	1.1	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:02	0.0	21.5	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:02	0.0	21.5	0.0	0.0						
5173 / 1 / B / Firing Range with filter	7/3/2013	14:18	0.0	8.6	11.2	0.0	60s - 80s	Trace				
5173 / 1 / B / Firing Range without filter		14:18	0.0	8.3	11.4	0.0						
5173 / 1 / Storage area ambient air, with filter		13:25	0.0	21.7	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:25	0.0	21.7	0.0	0.0						
5173 / 1 / C / Storage area with filter		14:30	223.0	3.1	5.7	1.3						
5173 / 1 / C / Storage area without filter		14:30	223.0	3.0	7.6	1.6						
5173 / 1 / A / Office area ambient air with filter		12:51	0.0	20.7	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		12:51	0.0	20.7	0.0	0.0						
5173 / 1 / A / Office area with filter		13:09	0.0	19.0	1.8	0.0						
5173 / 1 / A / Office area without filter		13:09	0.0	19.0	1.6	0.0						
5173 / 1 / B / Firing Range ambient air with filter	7/11/2013	12:47	0.0	20.7	0.0	0.0	60s - 70s	None				
5173 / 1 / B / Firing Range ambient air without filter		12:47	0.0	20.7	0.1	0.0						
5173 / 1 / B / Firing Range with filter		13:05	5.0	7.7	10.9	0.0						
5173 / 1 / B / Firing Range without filter		13:05	5.0	7.7	11.7	0.0						
5173 / 1 / Storage area ambient air, with filter		12:49	0	20.8	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		12:49	0	20.8	0.0	0.0						
5173 / 1 / C / Storage area with filter		13:25	217	3.3	6.5	1.2						
5173 / 1 / C / Storage area without filter		13:25	217	3.0	7.4	1.6						
5173 / 1 / A / Office area ambient air with filter		13:34	0.0	20.7	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		13:34	0.0	20.7	0.0	0.0						
5173 / 1 / A / Office area with filter	7/11/2013	15:20	2.4	19.3	1.7	0.0	60s - 70s	None				
5173 / 1 / A / Office area without filter		15:20	2.4	19.2	1.6	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:30	0.0	20.8	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:30	0.0	20.8	0.0	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		13:32	0.0	20.8	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:32	0.0	20.8	0.1	0.0						
5173 / 1 / C / Storage area with filter		15:25	102.6	1.7	7.8	1.2						
5173 / 1 / C / Storage area without filter		15:25	102.6	1.9	8.0	1.8						

Table 1

Page 10 of 17

Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)			
		Time (ppm)	(%)	(%)	(%)	(%)						
5173 / 1 / A / Office area ambient air with filter	7/18/2013	12:34	0.0	20.7	0.0	0.0	70s - 90s	None				
5173 / 1 / A / Office area ambient air without filter		12:34	0.0	20.8	0.0	0.0						
5173 / 1 / A / Office area with filter		15:16	1.9	19.7	1.5	0.0						
5173 / 1 / A / Office area without filter		15:16	1.9	19.8	1.3	0.0						
5173 / 1 / B / Firing Range ambient air with filter		12:30	0.0	20.7	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		12:30	0.0	20.7	0.0	0.0						
5173 / 1 / B / Firing Range with filter		15:09	5.0	8.0	11.0	0.0						
5173 / 1 / B / Firing Range without filter		15:09	5.0	7.7	11.9	0.0						
5173 / 1 / Storage area ambient air, with filter		12:32	0	20.7	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		12:32	0	20.7	0.0	0.0						
5173 / 1 / C / Storage area with filter	7/18/2013	15:45	126.3	2.0	8.0	1.3 25	70s - 90s	None				
5173 / 1 / C / Storage area without filter		15:45	126.3	2.9	8.0	1.9 37						
5173 / 1 / A / Office area ambient air with filter	7/25/2013	13:18	0.0	20.9	0.0	0.0	50s - 70s	None				
5173 / 1 / A / Office area ambient air without filter		13:18	0.0	20.9	0.0	0.0						
5173 / 1 / A / Office area with filter		14:46	2.4	19.6	1.6	0.0						
5173 / 1 / A / Office area without filter		14:46	2.4	19.6	1.4	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:15	0.0	20.9	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:15	0.0	20.9	0.1	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		13:16	0	21.0	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:16	0	21.0	0.1	0.0						
5173 / 1 / C / Storage area with filter		14:51	113.6	2.7	7.4	1.5 29						
5173 / 1 / C / Storage area without filter		14:51	113.6	2.8	7.7	1.9 38						
5173 / 1 / A / Office area ambient air with filter	8/1/2013	13:34	0.0	20.8	0.1	0.0	60s - 80s	None				
5173 / 1 / A / Office area ambient air without filter		13:34	0.0	20.8	0.0	0.0						
5173 / 1 / A / Office area with filter		14:41	1.0	18.9	2.5	0.0						
5173 / 1 / A / Office area without filter		14:41	1.0	19.0	1.6	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:31	0.0	20.8	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:31	0.0	20.8	0.0	0.0						
5173 / 1 / B / Firing Range with filter		14:35	0.9	7.4	11.3	0.0						
5173 / 1 / B / Firing Range without filter		14:35	0.9	7.5	11.5	0.0						
5173 / 1 / Storage area ambient air, with filter		13:32	0	20.8	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:32	0	20.7	0.0	0.0						
5173 / 1 / C / Storage area with filter	8/1/2013	14:46	173.9	2.1	6.7	1.5 29	60s - 80s	None				
5173 / 1 / C / Storage area without filter		14:46	173.9	2.5	7.4	2.1 41						
5173 / 1 / A / Office area ambient air with filter	8/6/2013	13:08	0.0	20.6	0.0	0.0	60s - 80s	None				
5173 / 1 / A / Office area ambient air without filter		13:08	0.0	20.6	0.0	0.0						
5173 / 1 / A / Office area with filter		14:15	1.5	18.7	2.0	0.0						
5173 / 1 / A / Office area without filter		14:15	1.5	18.6	1.6	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:04	0.0	20.6	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:04	0.0	20.7	0.0	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		13:06	0	20.6	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:06	0	20.6	0.0	0.0						
5173 / 1 / C / Storage area with filter		14:21	151.3	2.6	7.0	1.5 30						
5173 / 1 / C / Storage area without filter		14:21	151.3	3.0	7.0	2.2 44						
5173 / 1 / A / Office area ambient air with filter	8/15/2013	12:52	0.0	20.8	0.0	0.0	40s - 70s	None				
5173 / 1 / A / Office area ambient air without filter		12:52	0.0	20.8	0.0	0.0						
5173 / 1 / A / Office area with filter		13:51	0.3	19.3	2.2	0.0						
5173 / 1 / A / Office area without filter		13:51	0.3	19.2	1.4	0.0						
5173 / 1 / B / Firing Range ambient air with filter		12:50	0.0	20.8	0.1	0.0						
5173 / 1 / B / Firing Range ambient air without filter		12:50	0.0	20.9	0.0	0.0						
5173 / 1 / B / Firing Range with filter		13:45	1.8	6.4	11.4	0.0						
5173 / 1 / B / Firing Range without filter		13:45	1.8	6.6	11.7	0.0						
5173 / 1 / Storage area ambient air, with filter		12:54	0	20.8	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		12:54	0	20.8	0.0	0.0						
5173 / 1 / C / Storage area with filter	8/15/2013	13:57	85.8	2.3	6.6	1.5 30	40s - 70s	None				
5173 / 1 / C / Storage area without filter		13:57	85.8	2.8	6.7	2.0 40						
5173 / 1 / A / Office area ambient air with filter	8/22/2013	13:43	0.0	20.4	0.0	0.0	60s - 80s	Trace (0.06 in.)				
5173 / 1 / A / Office area ambient air without filter		13:43	0.0	20.4	0.0	0.0						
5173 / 1 / A / Office area with filter		14:53	0.0	18.9	1.4	0.0						
5173 / 1 / A / Office area without filter		14:53	0.0	18.9	1.4	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:40	0.0	20.4	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:40	0.0	20.4	0.0	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		13:41	0	20.3	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:41	0	20.3	0.1	0.0						
5173 / 1 / C / Storage area with filter		15:00	91.2	1.6	7.0	1.4 28						
5173 / 1 / C / Storage area without filter		15:00	91.2	1.8	7.0	2.2 45						

Table 1

Page 11 of 17

Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)			
		Time (ppm)	(%)	(%)	(%)	(%)						
5173 / 1 / A / Office area ambient air with filter	8/27/2013	13:28	0.0	20.5	0.0	0.0	70s - 80s	None				
5173 / 1 / A / Office area ambient air without filter		13:28	0.0	20.5	0.0	0.0						
5173 / 1 / A / Office area with filter		14:30	1.9	19.2	1.6	0.0						
5173 / 1 / A / Office area without filter		14:30	1.9	19.1	1.2	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:25	0.0	20.5	0.1	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:25	0.0	20.5	0.0	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		13:27	0.1	20.4	0.1	0.0						
5173 / 1 / Storage area ambient air, without filter		13:27	0.1	20.4	0.0	0.0						
5173 / 1 / C / Storage area with filter		14:35	91.4	3.1	6.4	1.5						
5173 / 1 / C / Storage area without filter		14:35	91.4	2.0	7.0	2.6						
5173 / 1 / A / Office area ambient air with filter	9/5/2013	15:09	-	21.0	0.0	0.0	50s - 80s	None				
5173 / 1 / A / Office area ambient air without filter		15:09	-	21.1	0.0	0.0						
5173 / 1 / A / Office area with filter		15:32	1.0	19.2	1.1	0.0						
5173 / 1 / A / Office area without filter		15:32	1.0	19.1	1.2	0.0						
5173 / 1 / B / Firing Range ambient air with filter		15:00	-	20.2	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		15:00	-	20.3	0.0	0.0						
5173 / 1 / B / Firing Range with filter		15:40	1.5	6.4	11.2	0.0						
5173 / 1 / B / Firing Range without filter		15:40	1.5	6.6	11.6	0.0						
5173 / 1 / Storage area ambient air, with filter		15:16	-	20.7	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		15:16	0	2.8	0.0	0.0						
5173 / 1 / C / Storage area with filter		15:46	85	2.3	6.9	1.6						
5173 / 1 / C / Storage area without filter		15:46	85	2.3	6.8	2.2						
5173 / 1 / A / Office area ambient air with filter	9/12/2013	14:42	0.0	21.0	0.0	0.0	60s-80s	0.29 inches				
5173 / 1 / A / Office area ambient air without filter		14:42	0.0	21.0	0.0	0.0						
5173 / 1 / A / Office area with filter		17:35	0.3	20.0	0.7	0.0						
5173 / 1 / A / Office area without filter		17:35	0.3	19.9	1.0	0.0						
5173 / 1 / B / Firing Range ambient air with filter		14:55	0.0	21.1	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		14:55	0.0	21.1	0.0	0.0						
5173 / 1 / B / Firing Range with filter		17:40	0.0	6.8	11.4	0.0						
5173 / 1 / B / Firing Range without filter		17:40	0.0	6.8	11.7	0.0						
5173 / 1 / Storage area ambient air, with filter		15:04	0	20.8	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		15:04	0	20.8	0.0	0.0						
5173 / 1 / C / Storage area with filter		17:43	83.4	2.4	7.0	1.7						
5173 / 1 / C / Storage area without filter		17:43	83.4	2.4	6.9	2.3						
5173 / 1 / A / Office area ambient air with filter	9/20/2013	13:28	0.0	20.7	0.0	0.0	60s - 80s	0.6 inches	1009 - 1013			
5173 / 1 / A / Office area ambient air without filter		13:28	0.0	20.7	0.0	0.0						
5173 / 1 / A / Office area with filter		14:20	0.4	18.7	1.0	0.0						
5173 / 1 / A / Office area without filter		14:20	0.4	18.6	1.2	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:36	0.0	20.9	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:36	0.0	20.9	0.0	0.0						
5173 / 1 / B / Firing Range with filter		14:24	1.2	6.5	10.6	0.0						
5173 / 1 / B / Firing Range without filter		14:24	1.2	6.5	10.9	0.0						
5173 / 1 / Storage area ambient air, with filter		13:44	0.2	20.9	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:44	0.2	20.9	0.0	0.0						
5173 / 1 / C / Storage area with filter		14:29	88.9	2.0	6.3	1.4						
5173 / 1 / C / Storage area without filter		14:29	88.9	2.1	6.1	1.9						
5173 / 1 / A / Office area ambient air with filter	9/24/2013	13:43	0.0	20.8	0.0	0.0	40s - 70s	None	1016 - 1018			
5173 / 1 / A / Office area ambient air without filter		13:43	0.0	20.9	0.0	0.0						
5173 / 1 / A / Office area with filter		14:44	0.3	18.1	1.4	0.0						
5173 / 1 / A / Office area without filter		14:44	0.3	18.0	1.5	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:40	0.0	20.8	0.1	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:40	0.0	20.8	0.0	0.0						
5173 / 1 / B / Firing Range with filter		14:38	1.2	6.7	10.0	0.0						
5173 / 1 / B / Firing Range without filter		14:38	1.2	6.7	10.6	0.0						
5173 / 1 / Storage area ambient air, with filter		13:41	0	20.8	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:41	0	20.8	0.1	0.0						
5173 / 1 / C / Storage area with filter		14:49	113.7	2.0	5.7	1.6						
5173 / 1 / C / Storage area without filter		14:49	113.7	2.0	5.9	2.1						
5173 / 1 / A / Office area ambient air with filter	10/3/2013	13:03	0.0	20.8	0.0	0.0	60s - 70s	0.27 inches	1015 - 1022			
5173 / 1 / A / Office area ambient air without filter		13:03	0.0	20.8	0.0	0.0						
5173 / 1 / A / Office area with filter		13:39	0.0	17.9	2.5	0.0						
5173 / 1 / A / Office area without filter		13:39	0.0	17.9	1.6	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		13:18	0	20.9	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:18	0	21.0	0.0	0.0						
5173 / 1 / C / Storage area with filter		13:41	121.1	1.7	5.2	1.5						
5173 / 1 / C / Storage area without filter		13:41	121.1	1.8	5.9	2.0						

Table 1

Page 12 of 17

Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)			
		Time (ppm)	(%)	(%)	(%)	(%)						
5173 / 1 / A / Office area ambient air with filter	10/10/2013	13:26	0.0	20.8	0.0	0.0	40s - 70s	None	1020 - 1022			
5173 / 1 / A / Office area ambient air without filter		13:26	0.0	20.9	0.0	0.0						
5173 / 1 / A / Office area with filter		13:56	0.6	16.2	1.5	0.0						
5173 / 1 / A / Office area without filter		13:56	0.6	16.2	1.8	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:03	0.0	20.8	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:03	0.0	20.8	0.0	0.0						
5173 / 1 / B / Firing Range with filter		14:01	1.3	6.0	9.7	0.0						
5173 / 1 / B / Firing Range without filter		14:01	1.3	5.8	10.4	0.0						
5173 / 1 / C / Storage area ambient air, with filter		13:13	0.05	20.6	0.0	0.0						
5173 / 1 / C / Storage area ambient air, without filter		13:13	0.05	20.6	0.0	0.0						
5173 / 1 / C / Storage area with filter	10/17/2013	14:12	91.55	2.4	5.6	1.4	40s - 50s	0.1 inches	1011 - 1014			
5173 / 1 / C / Storage area without filter		14:12	91.55	1.8	5.2	1.9						
5173 / 1 / A / Office area ambient air with filter		13:14	0.0	20.7	0.1	0.0						
5173 / 1 / A / Office area ambient air without filter		13:14	0.0	20.7	0.1	0.0						
5173 / 1 / A / Office area with filter		14:53	0.5	16.4	2.5	0.0						
5173 / 1 / A / Office area without filter		14:53	0.5	16.3	2.2	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / C / Storage area ambient air, with filter		13:20	0	20.8	0.1	0.0						
5173 / 1 / C / Storage area ambient air, without filter		13:20	0	20.8	0.0	0.0						
5173 / 1 / C / Storage area with filter		14:58	138.6	2.4	4.9	1.4						
5173 / 1 / C / Storage area without filter		14:58	138.6	2.2	5.2	1.9						
5173 / 1 / A / Office area ambient air with filter	10/24/2013	12:26	0.0	21.0	0.1	0.0	30s - 40s	Trace (0.02 inches)	1015 - 1025			
5173 / 1 / A / Office area ambient air without filter		12:26	0.0	20.9	0.0	0.0						
5173 / 1 / A / Office area with filter		13:50	3.6	16.2	1.3	0.0						
5173 / 1 / A / Office area without filter		13:50	3.6	16.0	2.6	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / C / Storage area ambient air, with filter		12:43	0	21.2	0.0	0.0						
5173 / 1 / C / Storage area ambient air, without filter		12:43	0	21.4	0.0	0.0						
5173 / 1 / C / Storage area with filter		13:54	223	4.3	2.5	1.0						
5173 / 1 / C / Storage area without filter		13:54	223	4.9	4.2	1.3						
5173 / 1 / A / Office area ambient air with filter	10/31/2013	13:36	0.0	21.1	0.1	0.0	60s	1.25 inches	1000 - 1010			
5173 / 1 / A / Office area ambient air without filter		13:36	0.0	21.1	0.1	0.0						
5173 / 1 / A / Office area with filter		15:17	1.5	16.6	3.0	0.0						
5173 / 1 / A / Office area without filter		15:17	1.5	16.8	2.0	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:13	0.0	21.1	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:13	0.0	21.0	0.0	0.0						
5173 / 1 / B / Firing Range with filter		15:21	1.9	10.3	6.6	0.0						
5173 / 1 / B / Firing Range without filter		15:21	1.9	10.3	7.0	0.0						
5173 / 1 / C / Storage area ambient air, with filter		13:26	0.3	21.1	0.0	0.0						
5173 / 1 / C / Storage area ambient air, without filter		13:26	0.3	21.0	0.0	0.0						
5173 / 1 / C / Storage area with filter	11/7/2013	15:26	103.3	7.4	3.7	0.7	40s	Trace (0.04 inches)	1020 - 1025			
5173 / 1 / C / Storage area without filter		15:26	103.3	7.4	3.2	1.0						
5173 / 1 / A / Office area ambient air with filter		12:48	0.0	20.9	0.1	0.0						
5173 / 1 / A / Office area ambient air without filter		12:48	0.0	21.0	0.1	0.0						
5173 / 1 / A / Office area with filter		14:04	1.5	15.3	3.4	0.0						
5173 / 1 / A / Office area without filter		14:04	1.5	15.2	3.4	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / C / Storage area ambient air, with filter		12:51	0	21.0	0.0	0.0						
5173 / 1 / C / Storage area ambient air, without filter		12:51	0	21.0	0.0	0.0						
5173 / 1 / C / Storage area with filter		14:09	112.3	3.0	3.7	1.0						
5173 / 1 / C / Storage area without filter		14:09	112.3	3.0	4.2	1.3						
5173 / 1 / A / Office area ambient air with filter	11/12/2013	12:48	0.0	21.1	0.0	0.0	20s - 30s	Trace (0.05 inches)	1030 - 1036			
5173 / 1 / A / Office area ambient air without filter		12:48	0.0	21.1	0.0	0.0						
5173 / 1 / A / Office area with filter		13:45	1.2	15.3	3.3	0.0						
5173 / 1 / A / Office area without filter		13:45	1.2	15.2	3.1	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / C / Storage area ambient air, with filter		12:44	0.0	21.2	0.0	0.0						
5173 / 1 / C / Storage area ambient air, without filter		12:44	0.0	21.3	0.0	0.0						
5173 / 1 / C / Storage area with filter		13:52	105.9	3.1	3.4	1.0						
5173 / 1 / C / Storage area without filter		13:52	105.9	2.9	3.9	1.3						

Table 1

Page 13 of 17

Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)
		Time (ppm)	(%)	(%)	(%)	(%)			
5173 / 1 / A / Office area ambient air with filter	11/20/2013	14:31	0.0	21.2	0.0	0.0	20s - 40s	None	1023 - 1026
5173 / 1 / A / Office area ambient air without filter		14:31	0.0	21.2	0.0	0.0			
5173 / 1 / A / Office area with filter		14:45	0.0	15.5	3.0	0.0			
5173 / 1 / A / Office area without filter		14:45	0.0	15.2	3.4	0.0			
5173 / 1 / B / Firing Range ambient air with filter		14:42	0.0	21.2	0.0	0.0			
5173 / 1 / B / Firing Range ambient air without filter		14:42	0.0	21.2	0.0	0.0			
5173 / 1 / B / Firing Range with filter		14:47	0.0	6.7	8.1	0.0			
5173 / 1 / B / Firing Range without filter		14:47	0.0	6.4	9.3	0.0			
5173 / 1 / Storage area ambient air, with filter		14:35	0.0	21.1	0.1	0.0			
5173 / 1 / Storage area ambient air, without filter		14:35	0.0	21.1	0.0	0.0			
5173 / 1 / C / Storage area with filter	11/26/2013	14:49	133.9	3.2	4.3	0.9	30s	Trace (0.01 inches)	1013 - 1019
5173 / 1 / C / Storage area without filter		14:49	133.9	2.8	3.7	1.3			
5173 / 1 / A / Office area ambient air with filter		14:10	0.0	21.1	0.0	0.0			
5173 / 1 / A / Office area ambient air without filter		14:10	0.0	21.1	0.0	0.0			
5173 / 1 / A / Office area with filter		14:45	0.0	14.6	4.7	0.0			
5173 / 1 / A / Office area without filter		14:45	0.0	14.8	3.8	0.0			
5173 / 1 / B / Firing Range ambient air with filter		14:15	0.0	20.9	0.1	0.0			
5173 / 1 / B / Firing Range ambient air without filter		14:15	0.0	21.0	0.1	0.0			
5173 / 1 / B / Firing Range with filter		14:51	0.0	6.5	8.8	0.0			
5173 / 1 / B / Firing Range without filter		14:51	0.0	6.6	9.1	0.0			
5173 / 1 / Storage area ambient air, with filter	12/5/2013	13:56	0.0	21.1	0.0	0.0	30s - 40s	0.07 inches	1013 - 1016
5173 / 1 / Storage area ambient air, without filter		13:56	0.0	21.2	0.0	0.0			
5173 / 1 / C / Storage area with filter		14:57	90.7	2.3	4.2	1.0			
5173 / 1 / C / Storage area without filter		14:57	90.7	2.2	3.5	1.3			
5173 / 1 / A / Office area ambient air with filter		13:33	0.1	21.8	0.0	0.0			
5173 / 1 / A / Office area ambient air without filter		13:33	0.1	21.7	0.1	0.0			
5173 / 1 / A / Office area with filter		15:07	1.2	14.8	3.6	0.0			
5173 / 1 / A / Office area without filter		15:07	1.2	14.8	4.0	0.0			
5173 / 1 / B / Firing Range ambient air with filter		14:14	0.0	21.4	0.1	0.0			
5173 / 1 / B / Firing Range ambient air without filter		14:14	0.0	21.5	0.1	0.0			
5173 / 1 / B / Firing Range with filter	12/12/2013	14:59	1.9	6.6	8.9	0.0	15 - 20	None	1030 - 1036
5173 / 1 / B / Firing Range without filter		14:59	1.9	6.6	9.4	0.0			
5173 / 1 / Storage area ambient air, with filter		13:25	0.3	21.5	0.0	0.0			
5173 / 1 / Storage area ambient air, without filter		13:25	0.3	21.7	0.0	0.0			
5173 / 1 / C / Storage area with filter		15:11	189.7	2.8	3.5	0.9			
5173 / 1 / C / Storage area without filter		15:11	189.7	2.7	3.5	1.3			
5173 / 1 / A / Office area ambient air with filter		13:59	0.0	21.0	0.1	0.0			
5173 / 1 / A / Office area ambient air without filter		13:59	0.0	21.1	0.1	0.0			
5173 / 1 / A / Office area with filter		15:52	0.6	18.8	2.5	0.0			
5173 / 1 / A / Office area without filter		15:52	0.6	19.2	1.4	0.0			
5173 / 1 / B / Firing Range ambient air with filter	12/19/2013	14:18	0.0	21.2	0.1	0.0	30s - 40s	None	1016 - 1018
5173 / 1 / B / Firing Range ambient air without filter		14:18	0.0	21.3	0.0	0.0			
5173 / 1 / B / Firing Range with filter		14:39	0.0	6.8	8.3	0.0			
5173 / 1 / B / Firing Range without filter		14:39	0.0	6.5	9.3	0.0			
5173 / 1 / Storage area ambient air, with filter		14:33	0.0	21.5	0.1	0.0			
5173 / 1 / Storage area ambient air, without filter		14:33	0.0	21.5	0.0	0.0			
5173 / 1 / C / Storage area with filter		15:57	96.2	8.8	2.9	0.3			
5173 / 1 / C / Storage area without filter		15:57	96.2	8.7	2.7	0.5			
5173 / 1 / A / Office area ambient air with filter		14:36	0.0	21.6	0.0	0.0			
5173 / 1 / A / Office area ambient air without filter		14:36	0.0	21.5	0.1	0.0			
5173 / 1 / A / Office area with filter		15:00	0.6	20.8	0.5	0.0	30s - 40s	None	1016 - 1018
5173 / 1 / A / Office area without filter		15:00	0.6	20.7	0.6	0.0			
5173 / 1 / B / Firing Range ambient air with filter		14:39	0.0	21.6	0.0	0.0			
5173 / 1 / B / Firing Range ambient air without filter		14:39	0.0	21.6	0.0	0.0			
5173 / 1 / B / Firing Range with filter		15:05	0.0	9.0	7.8	0.0			
5173 / 1 / B / Firing Range without filter		15:05	0.0	9.1	8.3	0.0			
5173 / 1 / Storage area ambient air, with filter		14:23	0.0	21.3	0.0	0.0			
5173 / 1 / Storage area ambient air, without filter		14:23	0.0	21.3	0.0	0.0			
5173 / 1 / C / Storage area with filter		15:08	116.3	11.8	1.3	0.1			
5173 / 1 / C / Storage area without filter		15:08	116.3	11.7	1.8	0.2			

Table 1

Page 14 of 17

Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)			
		Time (ppm)	(%)	(%)	(%)	(%)						
5173 / 1 / A / Office area ambient air with filter	12/23/2013	12:46	0.0	21.5	0.0	0.0	20s - 30s	Trace (0.02 inches)	1026 - 1029			
5173 / 1 / A / Office area ambient air without filter		12:46	0.0	21.5	0.0	0.0						
5173 / 1 / A / Office area with filter		13:04	0.0	16.4	4.0	0.0						
5173 / 1 / A / Office area without filter		13:04	0.0	16.5	2.7	0.0						
5173 / 1 / B / Firing Range ambient air with filter		12:41	0.0	21.6	0.1	0.0						
5173 / 1 / B / Firing Range ambient air without filter		12:41	0.0	21.6	0.0	0.0						
5173 / 1 / B / Firing Range with filter		13:10	0.4	11.0	7.0	0.0						
5173 / 1 / B / Firing Range without filter		13:10	0.4	10.6	8.3	0.0						
5173 / 1 / Storage area ambient air, with filter		12:43	0.0	21.6	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		12:43	0.0	21.6	0.0	0.0						
5173 / 1 / C / Storage area with filter	1/2/2014	13:15	126.8	13.2	2.9	0.2	20 - 30	5.46 inches	1012 - 1026			
5173 / 1 / C / Storage area without filter		13:15	126.8	13.4	1.8	0.2						
5173 / 1 / A / Office area ambient air with filter		15:48	0.0	22.0	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		15:48	0.0	22.0	0.1	0.0						
5173 / 1 / A / Office area with filter		16:25	0.8	21.2	0.2	0.0						
5173 / 1 / A / Office area without filter		16:25	0.8	21.1	0.4	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		15:42	0.0	21.5	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		15:42	0.0	21.7	0.0	0.0						
5173 / 1 / C / Storage area with filter		16:28	86.4	15.0	0.5	0.0						
5173 / 1 / C / Storage area without filter		16:28	86.4	14.7	1.4	0.1						
5173 / 1 / A / Office area ambient air with filter	1/9/2014	13:35	0.0	21.2	0.0	0.0	20s - 30s	1.55 inches	1026 - 1035			
5173 / 1 / A / Office area ambient air without filter		13:35	0.0	21.3	0.1	0.0						
5173 / 1 / A / Office area with filter		14:56	3.3	20.7	1.8	0.0						
5173 / 1 / A / Office area without filter		14:56	3.3	21.0	0.2	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:31	0.0	21.2	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:31	0.0	21.2	0.0	0.0						
5173 / 1 / B / Firing Range with filter		Inaccessible due to Firing Range operation										
5173 / 1 / B / Firing Range without filter		13:33	0.0	21.1	0.0	0.0						
5173 / 1 / Storage area ambient air, with filter		13:33	0.0	21.2	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		15:00	81.4	10.2	0.8	0.1						
5173 / 1 / C / Storage area with filter	1/16/2014	15:00	81.4	9.8	1.4	0.2	20s - 30s	0.97 inches	1008 - 1019			
5173 / 1 / C / Storage area without filter		Inaccessible due to Firing Range operation										
5173 / 1 / A / Office area ambient air with filter		12:34	0.0	21.1	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		12:34	0.0	21.0	0.0	0.0						
5173 / 1 / A / Office area with filter		13:13	2.1	21.0	0.4	0.0						
5173 / 1 / A / Office area without filter		13:13	2.1	20.9	0.1	0.0						
5173 / 1 / B / Firing Range ambient air with filter		12:36	0.0	20.9	0	0						
5173 / 1 / B / Firing Range ambient air without filter		12:36	0.0	20.9	0	0						
5173 / 1 / B / Firing Range with filter		Inaccessible due to Firing Range operation										
5173 / 1 / B / Firing Range without filter		12:37	0.0	20.9	0.0	0.0						
5173 / 1 / Storage area ambient air, with filter	1/23/2014	12:37	0.0	20.9	0.1	0.0	5 - 15	Trace	1019 - 1038			
5173 / 1 / Storage area ambient air, without filter		12:37	0.0	20.9	0.1	0.0						
5173 / 1 / C / Storage area with filter		13:20	96.1	14.7	1.0	0.1						
5173 / 1 / C / Storage area without filter		13:20	96.1	14.6	1.5	0.2						
5173 / 1 / A / Office area ambient air with filter		12:13	0.0	21.5	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		12:13	0.0	21.5	0.0	0.0						
5173 / 1 / A / Office area with filter		13:20	2.6	21.2	0.8	0.0						
5173 / 1 / A / Office area without filter		13:20	2.6	21.3	0.1	0.0						
5173 / 1 / B / Firing Range ambient air with filter		12:10	0.0	21.4	0.1	0						
5173 / 1 / B / Firing Range ambient air without filter		12:10	0.0	21.4	0	0						
5173 / 1 / B / Firing Range with filter	1/28/2014	13:13	3.4	18.8	5.3	0.0	5	None	1030 - 1033			
5173 / 1 / B / Firing Range without filter		13:13	3.4	18.7	4.7	0.0						
5173 / 1 / Storage area ambient air, with filter		12:12	0.0	21.4	0.1	0.0						
5173 / 1 / Storage area ambient air, without filter		12:12	0.0	21.4	0.0	0.0						
5173 / 1 / C / Storage area with filter		13:27	72.8	15.8	0.5	0.1						
5173 / 1 / C / Storage area without filter		13:27	72.8	15.7	1.2	0.2						
5173 / 1 / A / Office area ambient air with filter		13:35	0.0	21.8	0.1	0.0						
5173 / 1 / A / Office area ambient air without filter		13:35	0.0	21.8	0.1	0.0						
5173 / 1 / A / Office area with filter		14:35	0.0	21.1	0.3	0.0						
5173 / 1 / A / Office area without filter		14:35	0.0	21.1	0.1	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:15	0.1	21.3	0	0						
5173 / 1 / B / Firing Range ambient air without filter		13:15	0.1	21.4	0	0						
5173 / 1 / B / Firing Range with filter		14:44	0.0	18.8	3.5	0.0						
5173 / 1 / B / Firing Range without filter		14:44	0.0	18.8	4.2	0.0						
5173 / 1 / Storage area ambient air, with filter		13:19	0.0	21.4	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:19	0.0	21.5	0.0	0.0						
5173 / 1 / C / Storage area with filter		14:50	60.9	15.5	0.7	0.1						
5173 / 1 / C / Storage area without filter		14:50	60.9	15.0	1.2	0.2						

Table 1

Page 15 of 17

Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)			
		Time (ppm)	(%)	(%)	(%)	(%)						
5173 / 1 / A / Office area ambient air with filter	2/6/2014	13:10	0.0	21.1	0.1	0.0	15 - 25	0.3 inches	1029 - 1032			
5173 / 1 / A / Office area ambient air without filter		13:10	0.0	21.0	0.0	0.0						
5173 / 1 / A / Office area with filter		14:00	2.3	21.2	0.1	0.0						
5173 / 1 / A / Office area without filter		14:00	2.3	21.1	0.1	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:12	0.0	20.9	0.1	0						
5173 / 1 / B / Firing Range ambient air without filter		13:12	0.0	20.9	0	0						
5173 / 1 / B / Firing Range with filter		Inaccessible due to Firing Range operation										
5173 / 1 / B / Firing Range without filter		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		13:14	0.0	21.0	0.1	0.0						
5173 / 1 / Storage area ambient air, without filter		13:14	0.0	21.1	0.1	0.0						
5173 / 1 / C / Storage area with filter	2/13/2014	14:10	105.9	16.9	1.0	0.1	25 - 35	None	1003 - 1018			
5173 / 1 / C / Storage area without filter		14:10	105.9	16.8	1.2	0.1						
5173 / 1 / A / Office area ambient air with filter		13:48	0.0	21.2	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		13:48	0.0	21.3	0.1	0.0						
5173 / 1 / A / Office area with filter		15:30	1.8	20.9	2.4	0.0						
5173 / 1 / A / Office area without filter		15:30	1.8	21.2	0.0	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:40	0.0	21.1	0.1	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:40	0.0	21.3	0.0	0.0						
5173 / 1 / B / Firing Range with filter		15:25	4.1	19.2	2.5	0.0						
5173 / 1 / B / Firing Range without filter		15:25	4.1	19.1	3.1	0.0						
5173 / 1 / Storage area ambient air, with filter	2/20/2014	9:43	0.0	21.0	0.0	0.0	35 - 40	None	1010 - 1014			
5173 / 1 / Storage area ambient air, without filter		9:43	0.0	21.0	0.0	0.0						
5173 / 1 / C / Storage area with filter		9:55	117.4	15.9	0.8	0.1						
5173 / 1 / C / Storage area without filter		9:55	117.4	15.8	1.2	0.1						
5173 / 1 / A / Office area ambient air with filter		13:43	0.0	20.8	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		13:43	0.0	20.7	0.0	0.0						
5173 / 1 / A / Office area with filter		14:25	0.4	20.5	0.8	0.0						
5173 / 1 / A / Office area without filter		14:25	0.4	20.8	0.0	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:44	0.0	20.7	0.1	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:44	0.0	20.7	0.0	0.0						
5173 / 1 / B / Firing Range	2/27/2014	Inaccessible due to Firing Range operation						Trace	1008 - 1024			
5173 / 1 / Storage area ambient air, with filter		13:45	0.0	20.7	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:45	0.0	20.7	0.1	0.0						
5173 / 1 / C / Storage area with filter		14:32	63.4	16.5	1.0	0.0						
5173 / 1 / C / Storage area without filter		14:32	63.4	16.5	1.2	0.1						
5173 / 1 / A / Office area ambient air with filter		12:56	0.0	21.2	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		12:56	0.0	21.2	0.0	0.0						
5173 / 1 / A / Office area with filter		13:25	0.9	21.1	0.0	0.0						
5173 / 1 / A / Office area without filter		13:25	0.9	21.1	0.1	0.0						
5173 / 1 / B / Firing Range ambient air with filter		12:54	0.0	21.3	0.1	0.0						
5173 / 1 / B / Firing Range ambient air without filter		12:54	0.0	21.3	0.0	0.0						
5173 / 1 / B / Firing Range	3/6/2014	Inaccessible due to Firing Range operation						None	1020			
5173 / 1 / Storage area ambient air, with filter		12:52	0.0	21.2	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		12:52	0.0	21.3	0.1	0.0						
5173 / 1 / C / Storage area with filter		13:32	64.0	16.5	2.3	0.1						
5173 / 1 / C / Storage area without filter		13:32	64.0	16.6	1.1	0.2						
5173 / 1 / A / Office area ambient air with filter		13:40	0.0	20.9	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		13:40	0.0	20.9	0.0	0.0						
5173 / 1 / A / Office area with filter		14:40	0.2	20.7	0.3	0.0						
5173 / 1 / A / Office area without filter		14:40	0.2	20.6	0.2	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation						35 - 45	None			
5173 / 1 / Storage area ambient air, with filter		13:50	0.0	20.9	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:50	0.0	20.9	0.0	0.0						
5173 / 1 / C / Storage area with filter		15:00	57.1	16.0	1.2	0.1						
5173 / 1 / C / Storage area without filter		15:00	57.1	15.8	1.2	0.1						
5173 / 1 / A / Office area ambient air with filter	4/2/2014	12:44	0.0	21.4	0.1	0.0	50s	Trace (0.15 inches)	1020			
5173 / 1 / A / Office area ambient air without filter		12:44	0.0	21.4	0.0	0.0						
5173 / 1 / A / Office area with filter		12:44	1.0	21.4	0.1	0.0						
5173 / 1 / A / Office area without filter		12:44	1.0	21.4	0.0	0.0						
5173 / 1 / B / Firing Range ambient air with filter		12:42	0.1	21.4	0.1	0.0						
5173 / 1 / B / Firing Range ambient air without filter		12:42	0.1	21.4	0.1	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		12:40	0.1	21.3	0.2	0.0						
5173 / 1 / Storage area ambient air, without filter		12:40	0.1	21.3	0.1	0.0						
5173 / 1 / C / Storage area with filter		12:40	65.3	16.3	1.2	0.1						
5173 / 1 / C / Storage area without filter		12:40	65.3	16.4	1.0	0.1						

Table 1

Page 16 of 17

Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)			
		Time (ppm)	(%)	(%)	(%)	(%)						
5173 / 1 / A / Office area ambient air with filter	5/8/2014 [3]	15:05	0.0	20.6	0.0	0.0	75-85	None	1013-1017			
5173 / 1 / A / Office area ambient air without filter		15:05	0.0	20.6	0.0	0.0						
5173 / 1 / A / Office area with filter		15:55	0.1	20.5	0.0	0.0						
5173 / 1 / A / Office area without filter		15:55	0.1	20.5	0.0	0.0						
5173 / 1 / B / Firing Range ambient air with filter		14:50	0.0	19.9	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		14:50	0.0	20.0	0.0	0.0						
5173 / 1 / B / Firing Range with filter		15:49	2.0	18.1	1.9	0.0						
5173 / 1 / B / Firing Range without filter		15:49	2.0	18.1	2.1	0.0						
5173 / 1 / C / Storage area ambient air, with filter		14:57	0.0	20.3	0.0	0.0						
5173 / 1 / C / Storage area ambient air, without filter		14:57	0.0	20.3	0.0	0.0						
5173 / 1 / C / Storage area with filter	6/3/2014	15:58	51.1	18.2	0.8	0.0	75-85	Trace	1011-1014			
5173 / 1 / C / Storage area without filter		15:58	51.1	18.2	1.2	0.0						
5173 / 1 / A / Office area ambient air with filter		12:17	0.0	20.8	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		12:17	0.0	20.8	0.0	0.0						
5173 / 1 / A / Office area with filter		12:32	0.3	21.0	0.0	0.0						
5173 / 1 / A / Office area without filter		12:32	0.3	21.1	0.0	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / C / Storage area ambient air, with filter		12:43	0.1	21.1	0.0	0.0						
5173 / 1 / C / Storage area ambient air, without filter		12:43	0.1	21.1	0.0	0.0						
5173 / 1 / C / Storage area with filter		12:50	30.9	16.9	2.3	0.0						
5173 / 1 / C / Storage area without filter		12:50	30.9	16.8	2.5	0.1						
5173 / 1 / A / Office area ambient air with filter	7/17/2014	13:32	0.0	20.5	0.0	0.0	70-75	None	1016-1020			
5173 / 1 / A / Office area ambient air without filter		13:32	0.0	20.6	0.0	0.0						
5173 / 1 / A / Office area with filter		15:49	0.0	20.2	0.1	0.0						
5173 / 1 / A / Office area without filter		15:49	0.0	20.3	0.0	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:20	0.2	20.6	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:20	0.2	20.7	0.0	0.0						
5173 / 1 / B / Firing Range with filter		15:53	4.0	16.2	3.1	0.0						
5173 / 1 / B / Firing Range without filter		15:53	4.0	16.2	3.3	0.0						
5173 / 1 / C / Storage area ambient air, with filter		13:45	0.0	20.9	0.0	0.0						
5173 / 1 / C / Storage area ambient air, without filter		13:45	0.0	20.9	0.0	0.0						
5173 / 1 / C / Storage area with filter	8/14/2014	16:19	43.2	15.8	2.5	0.0	70-80	None	1014-1017			
5173 / 1 / C / Storage area without filter		16:19	43.2	15.7	2.7	0.0						
5173 / 1 / A / Office area ambient air with filter		13:35	0.0	20.9	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		13:35	0.0	21.0	0.0	0.0						
5173 / 1 / A / Office area with filter		15:13	0.8	20.9	0.0	0.0						
5173 / 1 / A / Office area without filter		15:13	0.8	20.9	0.0	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:08	0.2	20.9	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:08	0.2	20.9	0.0	0.0						
5173 / 1 / B / Firing Range with filter		15:08	4.7	16.9	3.2	0.0						
5173 / 1 / B / Firing Range without filter		15:08	4.7	16.9	3.4	0.0						
5173 / 1 / C / Storage area ambient air, with filter	10/9/2014	13:22	0.3	21.0	0.0	0.0	50s	0.3 inches	1017-1021			
5173 / 1 / C / Storage area ambient air, without filter		13:22	0.3	21.0	0.0	0.0						
5173 / 1 / C / Storage area with filter		15:18	51.9	16.6	2.8	0.0						
5173 / 1 / C / Storage area without filter		15:18	51.9	16.6	2.9	0.0						
5173 / 1 / A / Office area ambient air with filter		Inaccessible due to Firing Range operation										
5173 / 1 / A / Office area ambient air without filter		0.0	20.7	0.1	0.0	0						
5173 / 1 / A / Office area with filter		0.0	20.7	0.0	0.0	0						
5173 / 1 / A / Office area without filter		13:23	0.0	20.6	0.1	0.0						
5173 / 1 / B / Firing Range ambient air with filter		0.0	20.6	0.3	0.0	0						
5173 / 1 / B / Firing Range ambient air without filter		0.0	20.7	0.2	0.0	0						
5173 / 1 / B / Firing Range with filter		0.0	20.7	0.1	0.0	0						
5173 / 1 / B / Firing Range without filter		Inaccessible due to Firing Range operation										
5173 / 1 / C / Storage area ambient air, with filter	11/26/2014	13:29	60.4	18.3	1.5	0.0	30-35	None	1018-1023			
5173 / 1 / C / Storage area ambient air, without filter		13:29	60.4	18.1	1.7	0.0						
5173 / 1 / A / Office area ambient air with filter		13:00	0.0	21.5	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		13:00	0.0	21.5	0.0	0.0						
5173 / 1 / A / Office area with filter		14:05	0.6	21.7	0.0	0.0						
5173 / 1 / A / Office area without filter		14:05	0.6	21.8	0.0	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / C / Storage area ambient air, with filter		13:17	0.0	21.4	0.0	0.0						
5173 / 1 / C / Storage area ambient air, without filter		13:17	0.0	21.4	0.0	0.0						
5173 / 1 / C / Storage area with filter		14:10	23.2	21.1	0.2	0.0						
5173 / 1 / C / Storage area without filter		14:10	23.2	21.1	0.4	0.0						

Table 1

Page 17 of 17

Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)			
		Time (ppm)	(%)	(%)	(%)	(%)						
5173 / 1 / A / Office area ambient air with filter	2/6/2015	14:05	0.0	21.4	0.0	0.0	25-35	None	1022 - 1030			
5173 / 1 / A / Office area ambient air without filter		14:05	0.0	21.4	0.0	0.0						
5173 / 1 / A / Office area with filter			0.0	21.2	1.8	0.0						
5173 / 1 / A / Office area without filter			0.0	21.1	2.1	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation / Gas probe damaged per site personnel notification										
5173 / 1 / Storage area ambient air, with filter		14:19	0.1	21.7	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		14:19	0.1	21.7	0.0	0.0						
5173 / 1 / C / Storage area with filter		16:33	11.7	20.5	0.5	0.1						
5173 / 1 / C / Storage area without filter		16:33	11.7	20.6	0.5	0.1						
5173 / 1 / A / Office area ambient air with filter	5/20/2015	14:43	0.0	20.8	0.0	0.0	50-60	None	1016 - 1022			
5173 / 1 / A / Office area ambient air without filter		14:43	0.0	20.9	0.1	0.0						
5173 / 1 / A / Office area with filter		16:35	0.4	20.9	0.4	0.0						
5173 / 1 / A / Office area without filter		16:35	0.4	21.1	0.0	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:47	0.0	21.0	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:47	0.0	21.0	0.0	0.0						
5173 / 1 / B / Firing Range with filter		16:33	4.7	18.8	1.8	0.0						
5173 / 1 / B / Firing Range without filter		16:33	4.7	18.9	1.7	0.0						
5173 / 1 / Storage area ambient air, with filter		14:02	0.0	21.0	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		14:02	0.0	21.0	0.0	0.0						
5173 / 1 / C / Storage area with filter	8/20/2015	16:54	12.3	18.8	0.8	0.0	65-70	Trace	1009 - 1017			
5173 / 1 / C / Storage area without filter		16:54	12.3	18.7	0.9	0.0						
5173 / 1 / A / Office area ambient air with filter		10:55	0.0	20.1	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		10:55	0.0	20.2	0.0	0.0						
5173 / 1 / A / Office area with filter		14:39	0.0	20.0	0.0	0.0						
5173 / 1 / A / Office area without filter		14:39	0.0	20.2	0.0	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		10:36	0.9	20.2	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		10:36	0.9	20.1	0.0	0.0						
5173 / 1 / C / Storage area with filter		14:43	4.7	17.8	1.5	0.0						
5173 / 1 / C / Storage area without filter		14:43	4.7	17.7	1.7	0.0						
5173 / 1 / A / Office area ambient air with filter	11/5/2015	14:06	0.0	21.0	0.0	0.0	60-70	Trace	1019 - 1021			
5173 / 1 / A / Office area ambient air without filter		14:06	0.0	21.0	0.0	0.0						
5173 / 1 / A / Office area with filter		14:57	0.7	20.8	0.3	0.0						
5173 / 1 / A / Office area without filter		14:57	0.7	20.7	0.0	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:43	0.0	20.8	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:43	0.0	20.8	0.0	0.0						
5173 / 1 / B / Firing Range with filter		15:05	2.8	19.7	0.4	0.0						
5173 / 1 / B / Firing Range without filter		15:05	2.8	19.4	1.3	0.0						
5173 / 1 / Storage area ambient air, with filter		13:48	0.0	20.8	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:48	0.0	20.8	0.0	0.0						
5173 / 1 / C / Storage area with filter	1/28/2016	15:10	3.7	19.3	0.4	0.0	35-45	Trace	1005 - 1012			
5173 / 1 / C / Storage area without filter		15:10	3.7	19.1	0.9	0.0						
5173 / 1 / A / Office area ambient air with filter		14:04	0.0	21.7	0.1	0.0						
5173 / 1 / A / Office area ambient air without filter		14:04	0.0	21.7	0.1	0.0						
5173 / 1 / A / Office area with filter		14:31	1.0	21.7	0.2	0.0						
5173 / 1 / A / Office area without filter		14:31	1.0	21.7	0.1	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:45	0.0	21.8	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:45	0.0	21.9	0.0	0.0						
5173 / 1 / B / Firing Range with filter		14:27	2.6	21	0.3	0.2						
5173 / 1 / B / Firing Range without filter		14:27	2.6	20.9	0.9	0.0						
5173 / 1 / Storage area ambient air, with filter		13:52	0.0	21.7	0.0	0.0		Trace	1005 - 1012			
5173 / 1 / Storage area ambient air, without filter		13:52	0.0	21.7	0.0	0.0						
5173 / 1 / C / Storage area with filter		14:35	3.7	20.6	0.4	0.0						
5173 / 1 / C / Storage area without filter		14:35	3.7	20.5	0.5	0.0						

Notes:

¹ - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

^[2] - Combustible Gas measurements from SIM Trainer were not collected during the week of February 20th, due to range

^[3] - CO₂ readings started at 0.1 ppm.

R - Value was rejected (R) as the LEL reading did not correspond to the methane reading of 0 percent.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than screening levels for rapid response (USEPA, 2010).

Source of weather data for July to September 2016:

https://www.wunderground.com/history/airport/KDAY/2016/9/28/DailyHistory.html?req_city=&req_state=&req_state_name=&reqdb.zip=&reqdb.magic=&reqdb.wmo=

Table 2

GP-2 Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ ^[2] (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	Water Levels (ft BTOR)
GP-2 (12') without filter	11/9/2012	13:54	--	4.1	10.6	0.0	0	30s - 40s	none		
GP-2 (12') with filter		--	--	5.6	9.1	0.0	0				
GP-2 (16') without filter		--	--	2.0	11.6	0.0	0				
GP-2 (16') with filter		--	--	4.6	10.0	0.0	0				
GP-2 (12') without filter	11/15/2012	15:04	0.0	2.4	10.8	0.0	0	30s - 40s	none		
GP-2 (12') with filter		--	--	0.0	2.3	10.3	0.0				
GP-2 (16') without filter		15:09	0.0	1.0	11.8	0.0	0				
GP-2 (16') with filter		--	--	0.0	0.9	11.4	0.0				
GP-2 (12') without filter	11/20/2012	14:35	0.0	2.2	11.3	0.0	0	50s	Trace		
GP-2 (12') with filter		--	--	0.0	2.1	11.0	0.0				
GP-2 (16') without filter		14:40	0.0	0.9	12.1	0.0	0				
GP-2 (16') with filter		--	--	0.0	0.8	11.9	0.0				
GP-2 (12') without filter	11/29/2012	13:53	0.0	4.3	11.0	0.0	0	40s - 50s	none		
GP-2 (12') with filter		--	--	0.0	4.7	11.2	0.0				
GP-2 (16') without filter		13:58	0.0	2.1	12.1	0.0	0				
GP-2 (16') with filter		13:58	0.0	2.0	11.9	0.0	0				
GP-2 (12') without filter	12/4/2012	16:03	0.0	6.6	9.6	0.0	0	50s	rainy (~0.3 inches)		
GP-2 (12') with filter		--	--	0.0	6.7	8.5	0.0				
GP-2 (16') without filter		16:08	--	6.1	10.3	0.0	0				
GP-2 (16') with filter		--	--	6.4	9.2	0.0	0				
GP-2 (12') without filter	12/13/2012	13:44	0.0	6.6	9.7	0.0	0	40s	none		
GP-2 (12') with filter		--	--	0.0	6.9	9.3	0.1 U				
GP-2 (16') without filter		13:39	0.0	3.7	11.8	0.0	0				
GP-2 (16') with filter		--	--	0.0	4.1	10.2	0.1 U				
GP-2 (12') without filter	12/18/2012	13:30	0.0	8.2	9.2	0.0	0	40s	none		
GP-2 (12') with filter		--	--	0.0	8.1	8.9	0.0				
GP-2 (16') without filter		--	--	0.0	5.8	10.8	0.0				
GP-2 (16') with filter		--	--	0.0	5.7	10.4	0.0				
GP-2 (12') without filter	1/24/2013	15:34	0.0	19.9	2.6	0.0	0.0	20s	none		
GP-2 (12') with filter		15:34	0.0	18.6	2.2	0.0	0.0				
GP-2 (16') without filter		15:40	0.0	15.3	7.7	0.0	0.0				
GP-2 (16') with filter		15:40	0.0	16.9	1.6	0.0	0.0				
GP-2 (12') without filter	1/31/2013	13:50	0.0	17.5	5.0	0.0	0.0	10s - 20s	none		
GP-2 (12') with filter		13:50	0.0	17.1	4.2	0.0	0.0				
GP-2 (16') without filter		13:55	0.0	16.8	5.0	0.0	0.0				
GP-2 (16') with filter		13:55	0.0	17.2	3.4	0.0	0.0				
GP-2 (12') without filter	2/7/2013	15:14	0.0	15.4	5.4	0.0	0.0	20s - 50s	none		
GP-2 (12') with filter		15:14	0.0	16.0	3.5	0.0	0.0				
GP-2 (16') without filter		15:17	0.0	15.0	6.4	0.0	0.0				
GP-2 (16') with filter		15:17	0.0	15.3	4.5	0.0	0.0				
GP-2 (12') without filter	2/12/2013	12:30	0.1	9.2	8.8	0.0	0.0	30s - 40s	none		
GP-2 (12') with filter		12:30	0.1	9.7	8.4	0.0	0.0				
GP-2 (16') without filter		12:45	0.0	7.5	9.1	0.0	0.0				
GP-2 (16') with filter		12:45	0.0	6.9	8.2	0.0	0.0				

Table 2

GP-2 Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ ^[2] (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	Water Levels (ft BTOR)
GP-2 (12') without filter	2/21/2013	13:45	0.0	8.8	8.5	0.0	0.0	20s	Trace		
GP-2 (12') with filter		13:45	0.0	9.1	8.0	0.0	0.0				
GP-2 (16') without filter		13:50	0.0	6.9	7.0	0.0	0.0				
GP-2 (16') with filter		13:50	0.0	7.0	6.7	0.0	0.0				
GP-2 (12') without filter	2/28/2013	12:45	0.0	15.8	4.9	0.0	0.0	30s - 40s	~1 inch		
GP-2 (12') with filter		12:45	0.0	15.8	5.1	0.0	0.0				
GP-2 (16') without filter		12:49	0.0	13.6	6.2	0.0	0.0				
GP-2 (16') with filter		12:49	0.0	13.5	6.2	0.0	0.0				
GP-2	3/7/2013	Inaccessible due to snow cover from road plow activity						30s	None		
GP-2 (12') without filter	3/14/2013	13:45	0.0	16.2	4.3	0.0	0.0	20s - 40s	None		
GP-2 (12') with filter		13:45	0.0	16.1	4.4	0.0	0.0				
GP-2 (16') without filter		13:53	0.0	13.9	6.1	0.0	0.0				
GP-2 (16') with filter		13:53	0.0	13.9	6.2	0.0	0.0				
GP-2 (12') without filter	3/21/2013	12:20	0.0	15.9	3.8	0.0	0.0	20s - 30s	Trace		
GP-2 (12') with filter		12:20	0.0	15.9	3.9	0.0	0.0				
GP-2 (16') without filter		12:26	0.0	14.2	5.7	0.0	0.0				
GP-2 (16') with filter		12:26	0.0	14.1	5.9	0.0	0.0				
GP-2 (12') without filter	3/28/2013	12:10	0.0	14.6	6.1	0.0	0.0	30s - 40s	None		
GP-2 (12') with filter		12:10	0.0	14.4	6.3	0.0	0.0				
GP-2 (16') without filter		12:15	0.0	12.9	7.4	0.0	0.0				
GP-2 (16') with filter		12:15	0.0	12.9	7.5	0.0	0.0				
GP-2 (12') without filter	4/4/2013	14:04	0.0	15.7	5.2	0.0	0.0	30s - 50s	None		
GP-2 (12') with filter		14:04	0.0	15.6	5.1	0.0	0.0				
GP-2 (16') without filter		14:11	0.0	13.8	6.0	0.0	0.0				
GP-2 (16') with filter		14:11	0.0	13.8	6.1	0.0	0.0				
GP-2 (12') without filter	4/9/2013	13:56	0.0	13.9	5.2	0.0	0.0	50s - 80s	None		
GP-2 (12') with filter		13:56	0.0	13.8	5.5	0.0	0.0				
GP-2 (16') without filter		14:03	0.0	12.2	5.9	0.0	0.0				
GP-2 (16') with filter		14:03	0.0	12.2	6.0	0.0	0.0				
GP-2 (12') without filter	4/18/2013	13:48	0.0	14.7	6.1	0.0	0.0	60s - 80s	None		
GP-2 (12') with filter		13:48	0.0	14.7	6.0	0.0	0.0				
GP-2 (16') without filter		13:54	0.0	13.2	7.4	0.0	0.0				
GP-2 (16') with filter		13:54	0.0	13.3	7.2	0.0	0.0				
GP-2 (12') without filter	4/23/2013	14:45	0.0	16.3	3.8	0.0	0.0	50s - 60s	None		
GP-2 (12') with filter		14:45	0.0	16.8	0.8	0.0	0.0				
GP-2 (16') without filter		14:48	0.0	15.9	4.2	0.0	0.0				
GP-2 (16') with filter		14:48	0.0	16.3	2.9	0.0	0.0				
GP-2 (12') without filter	4/30/2013	14:45	0.0	16.8	3.4	0.0	0.0	40s - 70s	None		
GP-2 (12') with filter		14:45	0.0	17.0	0.9	0.0	0.0				
GP-2 (16') without filter		14:50	0.0	16.3	3.9	0.0	0.0				
GP-2 (16') with filter		14:50	0.0	16.7	1.6	0.0	0.0				
GP-2 (12') without filter	5/9/2013	14:41	0.0	14.8	3.3	0.0	0.0	50s - 70s	None		
GP-2 (12') with filter		14:41	0.0	14.9	0.9	0.0	0.0				
GP-2 (16') without filter		14:45	0.0	14.1	3.8	0.0	0.0				
GP-2 (16') with filter		14:45	0.0	14.5	1.5	0.0	0.0				

Table 2

GP-2 Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ ^[2] (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	Water Levels (ft BTOR)
GP-2 (12') without filter	5/16/2013	13:25	0.0	15.3	4.1	0.0	0.0	40s - 80s	~1 inch		
GP-2 (12') with filter		13:25	0.0	15.3	4.0	0.0	0.0				
GP-2 (16') without filter		13:32	0.0	13.9	4.8	0.0	0.0				
GP-2 (16') with filter		13:32	0.0	13.9	4.8	0.0	0.0				
GP-2 (12') without filter	5/21/2013	15:29	0.0	13.7	3.8	0.0	0.0	40s - 80s	~0.2 inch		
GP-2 (12') with filter		15:29	0.0	13.8	3.2	0.0	0.0				
GP-2 (16') without filter		15:32	0.0	12.7	4.5	0.0	0.0				
GP-2 (16') with filter		15:32	0.0	12.8	3.0	0.0	0.0				
GP-2 (12') without filter	5/30/2013	13:20	0.0	15.8	3.8	0.0	0.0	50s - 80s	~1.3 inch		
GP-2 (12') with filter		13:20	0.0	15.8	3.9	0.0	0.0				
GP-2 (16') without filter		13:25	0.0	13.1	5.1	0.0	0.0				
GP-2 (16') with filter		13:25	0.0	13.0	5.3	0.0	0.0				
GP-2 (12') without filter	6/6/2013	14:50	0.0	16.3	4.6	0.0	0.0	60s	0.25 inch		
GP-2 (12') with filter		14:50	0.0	16.2	4.9	0.0	0.0				
GP-2 (16') without filter		15:00	0.0	14.7	6.0	0.0	0.0				
GP-2 (16') with filter		15:00	0.0	14.7	6.2	0.0	0.0				
GP-2 (12') without filter	6/13/2013	16:05	0.0	8.2	5.4	0.0	0.0	60s - 80s	1.55 inch		
GP-2 (12') with filter		16:05	0.0	7.5	5.4	0.0	0.0				
GP-2 (16') without filter		16:10	--	5.2	6.6	0.0	0.0				
GP-2 (16') with filter		16:10	--	5.1	6.4	0.0	0.0				
GP-2 (12') without filter	6/20/2013	--	0.0	8.0	6.1	0.0	0.0	50s - 80s	None		
GP-2 (12') with filter		--	0.0	8.3	5.9	0.0	0.0				
GP-2 (16') without filter		--	--	5.3	6.5	0.0	0.0				
GP-2 (16') with filter		--	--	5.6	6.0	0.0	0.0				
GP-2 (12') without filter	6/27/2013	14:06	0.6	15.9	1.5	0.0	0.0	70s - 80s	Trace		
GP-2 (12') with filter		14:06	0.6	16.3	0.2	0.0	0.0				
GP-2 (16') without filter		14:11	43.6	3.7	2.6	1.6	30				
GP-2 (16') with filter		14:11	43.6	2.1	3.6	1.0	20				
GP-2 (12') without filter	7/3/2013	13:18	23.5	6.9	4.9	1.4	28	60s - 80s	Trace		
GP-2 (12') with filter		13:18	23.5	7.5	3.4	0.7	13				
GP-2 (16') without filter		13:22	59.6	1.9	7.1	5.8	>100				
GP-2 (16') with filter		13:22	59.6	1.6	6.9	1.8	36				
GP-2 (12') without filter	7/11/2013	14:45	40.4	4.0	6.5	6.5	>100	60s - 70s	None		
GP-2 (12') with filter		14:45	40.4	4.0	4.9	3.4	68				
GP-2 (16') without filter		14:51	55.6	4.6	6.2	11.2	>100				
GP-2 (16') with filter		14:51	55.6	3.9	5.0	2.2	44				
GP-2 (12') without filter	7/18/2013	14:35	20.4	17.7	1.2	0.5	10	70s - 90s	None		
GP-2 (12') with filter		14:35	20.4	17.7	1.0	0.2	5				
GP-2 (16') without filter		14:41	44.3	1.9	7.4	5.1	>100				
GP-2 (16') with filter		14:41	44.3	4.7	1.8	1.8	36				
GP-2 (12') without filter	7/25/2013	14:15	38.7	4.8	6.5	3.8	75	50s - 70s	None		
GP-2 (12') with filter		14:15	38.7	4.7	6.1	3.0	60				
GP-2 (16') without filter		14:20	48.3	4.4	7.9	4.0	80				
GP-2 (16') with filter		14:20	48.3	4.2	8.3	3.3	65				
GP-2 (12') without filter	8/1/2013	14:00	83.5	8.1	5.3	1.4	28	60s - 80s	None		
GP-2 (12') with filter		14:00	83.5	6.2	4.9	1.1	21				
GP-2 (16') without filter		14:05	89.8	4.1	7.3	2.8	55				
GP-2 (16') with filter		14:05	89.8	3.1	7.2	1.8	35				

Table 2

GP-2 Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ ^[2] (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	Water Levels (ft BTOR)
GP-2 (12') without filter	8/6/2013	14:06	10.5	3.9	7.6	1.3	27	60s - 80s	None		
GP-2 (12') with filter		14:06	10.5	3.7	5.9	1.0	21				
GP-2 (16') without filter		14:10	31.6	4.3	7.4	2.5	51				
GP-2 (16') with filter		14:10	31.6	3.1	6.1	1.7	34				
GP-2 (12') without filter	8/15/2013	13:35	16.6	7.9	3.1	2.0	40	40s - 70s	None		
GP-2 (12') with filter		13:35	16.6	7.7	3.3	1.6	32				
GP-2 (16') without filter		13:40	20.6	1.5	6.2	2.2	44				
GP-2 (16') with filter		13:40	20.6	1.4	7.5	2.0	40				
GP-2 (12') without filter	8/22/2013	14:41	33.9	3.2	8.0	2.3	47	60s - 80s	Trace (0.06 in.)		
GP-2 (12') with filter		14:41	33.9	3.2	8.4	2.0	41				
GP-2 (16') without filter		14:45	55.0	1.8	8.5	4.3	87				
GP-2 (16') with filter		14:45	55.0	1.6	8.3	2.0	41				
GP-2 (12') without filter	8/27/2013	14:21	22.8	2.5	8.4	3.7	74	70s - 80s	None		
GP-2 (12') with filter		14:21	22.8	2.6	8.9	1.9	39				
GP-2 (16') without filter		14:26	39.5	2.3	8.7	7.9	>100				
GP-2 (16') with filter		14:26	39.5	2.2	9.0	6.1	>100				
GP-2 (12') without filter	9/5/2013	-	31.3	2.2	8.7	7.0	>100	50s - 80s	None		
GP-2 (12') with filter		-	31.3	2.3	6.9	3.0	58				
GP-2 (16') without filter		-	39.0	3.1	8.3	8.4	>100				
GP-2 (16') with filter		-	39.0	3.7	6.5	2.8	56				
GP-2	9/12/2013							60s - 80s	0.29 inches		
GP-2 (12') without filter	9/20/2013		24.7	2.6	8.7	3.2	65	60s - 80s	0.6 inches	1009 - 1013	
GP-2 (12') with filter			24.7	2.1	8.1	1.8	34				
GP-2 (16') without filter			40.4	1.4	9.6	7.0	>100				
GP-2 (16') with filter			40.4	1.5	8.9	2.1	42				
GP-2 (12') without filter	9/24/2013	14:27	55.7	1.8	9.6	3.6	71	40s - 70s	None	1016 - 1018	
GP-2 (12') with filter		14:27	55.7	1.9	9.2	3.3	67				
GP-2 (16') without filter		14:33	68.4	1.5	10.0	4.3	86				
GP-2 (16') with filter		14:33	68.4	1.6	10.6	3.9	78				
GP-2 (12') without filter	10/3/2013	13:27	0.9	6.8	7.2	1.3	25	60s - 70s	0.27 inches	1015 - 1022	
GP-2 (12') with filter		13:27	0.9	6.9	5.8	1.1	17				
GP-2 (16') without filter		13:35	53.6	3.6	8.9	2.2	44				
GP-2 (16') with filter		13:35	53.6	3.3	7.5	1.4	27				
GP-2 (12') without filter	10/10/2013	13:41	18.6	0.7	10.3	1.9	38	40s - 70s	None	1020 - 1022	
GP-2 (12') with filter		13:41	18.6	0.5	10.2	1.3	27				
GP-2 (16') without filter		13:47	22.6	0.9	10.3	1.9	39				
GP-2 (16') with filter		13:47	22.6	1.7	9.0	1.2	25				
GP-2 (12') without filter	10/17/2013	14:46	22.8	1.2	10.5	1.4	28	40s - 50s	0.1 inches	1011 - 1014	MW-7: 18.56 MW-8: 18.70 MW-11: 20.31 MW-12: 20.39
GP-2 (12') with filter		14:46	22.8	7.5	6.8	0.8	16				
GP-2 (16') without filter		14:50	23.1	1.3	10.6	1.5	29				
GP-2 (16') with filter		14:50	23.1	1.5	10.1	1.2	23				
GP-2 (12') without filter	10/24/2013	13:42	0.0	1.5	10.9	0.0	0	30s - 40s	Trace (0.02 inches)	1015 - 1025	MW-7: 18.69 MW-8: 18.83 MW-11: 20.66 MW-12: 20.44
GP-2 (12') with filter		13:42	0.0	1.6	10.2	0.0	0				
GP-2 (16') without filter		13:47	5.6	4.6	9.6	0.0	0				
GP-2 (16') with filter		13:47	5.6	4.9	8.6	0.0	0				
GP-2 (12') without filter	10/31/2013	15:07	0.0	6.3	8.2	0.0	0	60s	1.25 inches	1000 - 1010	MW-7: 18.71 MW-8: 18.87 MW-11: 20.69 MW-12: 20.47
GP-2 (12') with filter		15:07	0.0	6.4	7.3	0.0	0				
GP-2 (16') without filter		15:13	1.1	6.4	8.3	0.0	0				
GP-2 (16') with filter		15:13	1.1	6.7	7.5	0.0	0				

Table 2

GP-2 Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ ^[2] (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	Water Levels (ft BTOR)
GP-2 (12') without filter	11/7/2013	13:45	0.0	4.6	9.5	0.0	0	40s	Trace (0.04 inches)	1020 - 1025	MW-7: 18.43
GP-2 (12') with filter		13:45	0.0	4.1	7.9	0.0	0				MW-8: 18.57
GP-2 (16') without filter		13:51	0.0	2.6	10.7	0.0	0				MW-11: 20.28
GP-2 (16') with filter		13:51	0.0	2.6	10.2	0.0	0				MW-12: 20.13
GP-2 (12') without filter	11/12/2013	13:32	0.0	5.8	9.5	0.0	0	20s - 30s	Trace (0.05 inches)	1030 - 1036	MW-7: 18.28
GP-2 (12') with filter		13:32	0.0	6.2	8.6	0.0	0				MW-8: 18.37
GP-2 (16') without filter		13:38	0.0	5.4	9.6	0.0	0				MW-11: 20.02
GP-2 (16') with filter		13:38	0.0	5.3	8.6	0.0	0				MW-12: 19.86
GP-2 (12') without filter	11/20/2013	14:10	0.0	4.5	10.1	0.0	0	20s - 40s	None	1023 - 1026	MW-7: 18.27
GP-2 (12') with filter		14:10	0.0	5.0	8.3	0.0	0				MW-8: 18.40
GP-2 (16') without filter		14:15	0.0	3.5	10.4	0.0	0				MW-11: 20.24
GP-2 (16') with filter		14:15	0.0	4.0	9.8	0.0	0				MW-12: 20.02
GP-2 (12') without filter	11/26/2013	14:35	0.0	3.4	10.4	0.1	1	30s	Trace (0.01 inches)	1013 - 1019	MW-7: 18.10
GP-2 (12') with filter		14:35	0.0	3.4	9.5	0.0	0				MW-8: 18.25
GP-2 (16') without filter		14:39	0.0	3.3	10.7	0.1	1				MW-11: 20.07
GP-2 (16') with filter		14:39	0.0	3.3	10.6	0.1	1				MW-12: 19.85
GP-2 (12') without filter	12/5/2013	14:44	0.0	6.5	9.7	0.0	0	30s - 40s	0.07 inches	1013 - 1016	MW-7: 18:38
GP-2 (12') with filter		14:44	0.0	6.6	8.7	0.0	0				MW-8: 18.52
GP-2 (16') without filter		14:49	0.0	7.3	9.1	0.0	0				MW-11: 20.35
GP-2 (16') with filter		14:49	0.0	7.4	8.3	0.0	0				MW-12: 20.13
GP-2 (12') without filter	12/12/2013	15:45	0.0	9.9	8.5	0.0	0	15 - 20	None	1030 - 1036	MW-7: 18.45
GP-2 (12') with filter		15:45	0.0	9.7	8.3	0.0	0				MW-8: 18.60
GP-2 (16') without filter		15:49	0.0	7.3	10.4	0.0	0				MW-11: 20.42
GP-2 (16') with filter		15:49	0.0	6.9	9.8	0.0	0				MW-12: 20.20
GP-2 (12') without filter	12/19/2013	14:48	0.0	10.8	7.8	0.0	0	30s - 40s	None	1016 - 1018	MW-7: 18.39
GP-2 (12') with filter		14:48	0.0	11.0	6.8	0.0	0				MW-8: 18.54
GP-2 (16') without filter		14:51	0.0	9.0	8.9	0.0	0				MW-11: 20.37
GP-2 (16') with filter		14:51	0.0	9.6	7.9	0.0	0				MW-12: 20.21
GP-2 (12') without filter	12/23/2013	11:20	0.0	8.1	7.9	0.0	0	20s - 30s	Trace (0.02 inches)	1026 - 1029	MW-7: 15.63
GP-2 (12') with filter		11:20	0.0	8.1	6.9	0.0	0				MW-8: 15.72
GP-2 (16') without filter		11:27	0.0	5.8	10.4	0.0	0				MW-11: 17.45
GP-2 (16') with filter		11:27	0.0	7.6	8.7	0.0	0				MW-12: 17.32
GP-2 (12') without filter	1/2/2014	16:20	0.0	21.5	0.1	0.0	0	20s - 30s	5.46 inches	1012 - 1026	MW-7: 15.24
GP-2 (12') with filter		16:20	0.0	18.2	0.3	0.0	0				MW-8: 15.39
GP-2 (16') without filter		16:24	0.0	21.4	0.3	0.0	0				MW-11: 17.21
GP-2 (16') with filter		16:24	0.0	21.5	0.3	0.0	0				MW-12: 16.98
GP-2 (12') without filter	1/9/2014	14:40	0.0	13.8	6.6	0.0	0	20s - 30s	1.55 inches	1026 - 1035	MW-7: 15.17
GP-2 (12') with filter		14:40	0.0	14.0	6.0	0.0	0				MW-8: 15.28
GP-2 (16') without filter		14:45	0.0	12.0	8.2	0.0	0				MW-11: 17.11
GP-2 (16') with filter		14:45	0.0	13.1	6.7	0.0	0				MW-12: 16.98
GP-2 (12') without filter	1/16/2014	13:00	0.0	13.8	6.1	0.0	0	20s - 30s	0.97 inches	1008 - 1019	MW-7: 15.93
GP-2 (12') with filter		13:00	0.0	13.9	3.8	0.0	0				MW-8: 16.06
GP-2 (16') without filter		13:07	0.0	12.9	7.2	0.0	0				MW-11: 17.90
GP-2 (16') with filter		13:07	0.0	13.2	4.1	0.0	0				MW-12: 17.71
GP-2 (12') without filter	1/23/2014	13:00	0.0	16.8	5.1	0.0	0	5 - 15	Trace	1019 - 1038	MW-7: 15.62
GP-2 (12') with filter		13:00	0.0	16.5	4.7	0.0	0				MW-8: 15.83
GP-2 (16') without filter		13:07	0.0	15.4	6.0	0.0	0				MW-11: 17.59
GP-2 (16') with filter		13:07	0.0	15.3	4.9	0.0	0				MW-12: 17.46

Table 2

GP-2 Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ ^[2] (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	Water Levels (ft BTOR)
GP-2 (12') without filter	1/28/2014	14:25	0.0	17.3	4.6	0.0	0	5	None	1030 - 1033	MW-7: 17.27 MW-8: 17.41 MW-11 & MW-12: iced over
GP-2 (12') with filter		14:25	0.0	17.3	4.1	0.0	0				
GP-2 (16') without filter		14:30	0.0	15.2	6.5	0.0	0				
GP-2 (16') with filter		14:30	0.0	15.2	5.8	0.0	0				
GP-2 (12')	2/6/2014	Inaccessible due to snow coverage from road plows						15 - 25	0.3 inches	1029 - 1032	Inaccessible
GP-2 (12') without filter	2/13/2014	15:16	0.0	17.5	4.5	0.0	0	25 - 35	None	1003 - 1018	MW-7: 17.62 MW-8: 17.77 MW-11 & MW-12: iced over
GP-2 (12') with filter		15:16	0.0	17.7	3.8	0.0	0				
GP-2 (16') without filter		15:20	0.0	19.3	2.2	0.0	0				
GP-2 (16') with filter		15:20	0.0	19.5	0.6	0.0	0				
GP-2 (12') without filter	2/20/2014	14:12	0.0	16.8	4.3	0.0	0	35 - 40	None	1010 - 1014	MW-7: 17.53 MW-8: 17.66 MW-11: 19:50 MW-12: 19.27
GP-2 (12') with filter		14:12	0.0	16.8	4.0	0.0	0				
GP-2 (16') without filter		14:14	0.0	15.8	5.4	0.0	0				
GP-2 (16') with filter		14:14	0.0	15.9	4.5	0.0	0				
GP-2 (12') without filter	2/27/2014	13:10	0.1	19.3	2.3	0.0	0	15 - 25	Trace	1008 - 1024	MW-7: 15.64 MW-8: 15.78 MW-11: 17.59 MW-12: 17.41
GP-2 (12') with filter		13:10	0.1	19.4	1.7	0.0	0				
GP-2 (16') without filter		13:17	0.0	17.2	4.8	0.1	0				
GP-2 (16') with filter		13:17	0.0	17.4	4.1	0.0	0				
GP-2 (12') without filter	3/6/2014	14:21	0.0	17.8	4.3	0.0	0	35 - 45	None	1020 - 1029	MW-7: na MW-8: na MW-11: na MW-12: na
GP-2 (12') with filter		14:21	0.0	17.7	4.1	0.0	0				
GP-2 (16') without filter		0.0	16.8	5.2	0.0	0	0				
GP-2 (16') with filter		0.0	16.7	5.1	0.0	0	0				
GP-2 (12') without filter	4/2/2014	11:57	0.0	18.1	3.5	0.0	0	50s	Trace (0.15 inches)	1020	MW-7: 14.12 MW-8: 14.32 MW-11: 16.06 MW-12: 15.91
GP-2 (12') with filter		11:57	0.0	18.0	3.7	0.0	0				
GP-2 (16') without filter		0.0	17.3	4.4	0.0	0	0				
GP-2 (16') with filter		0.0	17.3	4.5	0.0	0	0				
GP-2 (12') without filter	5/8/2014 ^[3]	15:18	0.2	16.3	3.0	0.0	0	75-85	None	1013-1017	MW-7: 16.84 MW-8: 16.70 MW-11: 18.68 MW-12: 18.46
GP-2 (12') with filter		15:18	0.2	16.4	2.5	0.0	0				
GP-2 (16') without filter		15:22	0.5	20.3	0.0	0.0	0				
GP-2 (16') with filter		15:22	0.5	20.0	1.6	0.0	0				
GP-2 (12') without filter	6/3/2014	15:40	0.0	12.6	4.1	0.0	0	75-85	Trace	1011-1014	MW-7: na MW-8: na MW-11: na MW-12: na
GP-2 (12') with filter		15:40	0.0	12.6	3.7	0.0	0				
GP-2 (16') without filter		15:45	0.1	11.6	4.4	0.0	0				
GP-2 (16') with filter		15:45	0.1	11.7	4.4	0.0	0				
GP-2 (12') without filter	7/17/2014	15:17	0.0	2.2	6.7	0.0	0	70-75	None	1016-1020	MW-7: 17.37 MW-8: 17.51 MW-11: 19.36 MW-12: 19.13
GP-2 (12') with filter		15:17	0.0	2.1	6.4	0.0	0				
GP-2 (16') without filter		15:23	15.0	1.7	6.7	1.7	35				
GP-2 (16') with filter		15:23	15.0	1.7	6.2	1.1	23				
GP-2 (12') without filter	8/14/2014	14:40	13.3	2.2	7.4	1.6	33	70-80	None	1014-1017	MW-7: 18.33 MW-8: 18.19 MW-11: 20.17 MW-12: 19.94
GP-2 (12') with filter		14:40	13.3	2.3	6.4	1.4	29				
GP-2 (16') without filter		14:46	45.8	1.3	8.2	5.8	>100				
GP-2 (16') with filter		14:46	45.8	1.3	7.6	2.4	49				
GP-2 (12') without filter	8/21/2014	15:51	25.6	0.9	8.5	2.7	55	75-79	1.14 Inches	1014-1018	MW-7: na MW-8: na MW-11: na MW-12: na
GP-2 (12') with filter		15:51	25.6	0.9	8.2	1.8	36				
GP-2 (16') without filter		14:45	7.2	0.8	9.2	6.0	>100				
GP-2 (16') with filter		14:45	7.2	0.8	8.2	2.4	48				
GP-2 (12') without filter	8/28/2014	11:40	35.4	0.7	9.2	4.5	90	75--80	None	1016-1019	MW-7: 18.11 MW-8: 18.25 MW-11: 20.10 MW-12: 19.87
GP-2 (12') with filter		11:40	35.4	0.7	7.4	2.4	48				
GP-2 (16') without filter		11:43	40.0	1.7	9.5	5.9	>100				
GP-2 (16') with filter		11:43	40.0	1.6	8.3	2.2	45				

Table 2

GP-2 Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ ^[2] (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	Water Levels (ft BTOR)
GP-2 (12') without filter	9/4/2014	14:40	26.5	3.8	7.6	2.3	46	85-90	None	1016-1019	MW-7: na
GP-2 (12') with filter		14:40	26.5	3.9	7.9	2.1	41				MW-8: na
GP-2 (16') without filter		14:45	38.2	6.1	7.1	3.3	66				MW-11: na
GP-2 (16') with filter		14:45	38.2	6.1	7.3	3.0	60				MW-12: na
GP-2 (12') without filter	10/9/2014	13:34	0.0	4.8	9.0	0.0	0	50s	0.3 Inches	1017-1021	MW-7: na
GP-2 (12') with filter		13:34	0.0	5.2	9.3	0.0	0				MW-8: na
GP-2 (16') without filter		13:40	0.0	3.5	10.4	0.0	0				MW-11: na
GP-2 (16') with filter		13:40	0.0	3.6	10.2	0.0	0				MW-12: na
GP-2 (12') without filter	11/26/2014	13:43	0.0	14.6	4.1	0.0	0	30-35	None	1018-1023	MW-7: na
GP-2 (12') with filter		13:43	0.0	15.0	1.6	0.0	0				MW-8: na
GP-2 (16') without filter		13:46	0.0	13.6	4.6	0.0	0				MW-11: na
GP-2 (16') with filter		13:46	0.0	13.4	2.3	0.0	0				MW-12: na
GP-2 (12') without filter	2/6/2015	16:00	0.0	20.6	0.0	0.0	0	25-35	None	1022 - 1030	MW-7: 17.85
GP-2 (12') with filter		16:00	0.0	20.7	0.0	0.0	0				MW-8: 17.98
GP-2 (16') without filter		16:04	0.0	14.7	5.9	0.0	0				MW-11: 19.81
GP-2 (16') with filter		16:04	0.0	14.8	5.2	0.0	0				MW-12: 19.59
GP-2 (12') without filter	5/20/2015	16:09	0.0	9.5	4.2	0.0	0	50-60	None	1016 - 1022	MW-7: 17.45
GP-2 (12') with filter		16:09	0.0	9.8	3.4	0.0	0				MW-8: 17.60
GP-2 (16') without filter		16:11	0.0	7.1	5.2	0.0	0				MW-11: 19.43
GP-2 (16') with filter		16:11	0.0	7.0	4.9	0.0	0				MW-12: 19.21
GP-2 (12') without filter	8/20/2015	14:00	0.0	4.4	9.0	0.0	0	65-70	Trace	1009 - 1017	MW-7: 17.75
GP-2 (12') with filter		14:00	0.0	4.4	8.4	0.0	0				MW-8: 17.56
GP-2 (16') without filter		14:04	1.2	2.3	9.8	0.1	3				MW-11: 19.54
GP-2 (16') with filter		14:04	1.2	2.5	9.6	0.1	2				MW-12: 19.30
GP-2 (12') without filter	11/5/2015	14:22	0.0	2.2	9.7	0.0	0	60-70	Trace	1019 - 1021	MW-7: 18.60
GP-2 (12') with filter		14:22	0.0	2.3	7.5	0.0	0				MW-8: 18.46
GP-2 (16') without filter		14:25	0.0	1.2	10.5	0.0	0				MW-11: 20.43
GP-2 (16') with filter		14:25	0.0	1.2	8.7	0.0	0				MW-12: 20.20
GP-2 (12') without filter	1/28/2016	14:42	0.0	14.2	6.2	0.0	0	35-45	Trace	1005 - 1012	MW-7: 17.54
GP-2 (12') with filter		14:42	0.0	14.5	4.9	0.0	0				MW-8: 17.40
GP-2 (16') without filter		14:47	0.0	12.0	7.9	0.0	0				MW-11: 19.37
GP-2 (16') with filter		14:47	0.0	12.1	7.4	0.0	0				MW-12: 19.15
GP-2 (12') without filter	7/21/2016	14:26	74.9	1.5	7.5	13.5	>100	88-91	None	1019 - 1020	MW-7: 18.77
GP-2 (12') with filter		14:26	74.9	1.3	7.4	4.5	87				MW-8: 18.65
GP-2 (16') without filter		14:32	98.1	1.3	7.8	34.6	>100				MW-11: 20.61
GP-2 (16') with filter		14:32	98.1	1.4	7.5	5.0	>100				MW-12: 20.37
GP-2 (12') without filter	7/29/2016 ^[4]	11:06	68.4	0.5	7.5	13.7	>100	85-86	None	1010 - 1014	MW-7: 19.08
GP-2 (12') with filter		11:06	68.4	10.1	3.4	2.1	42				MW-8: 18.86
GP-2 (16') without filter		11:17	83.5	0.7	7.7	39.2	>100				MW-11: 20.58
GP-2 (16') with filter		11:17	83.5	9.8	3.7	2.6	52				MW-12: 20.68
GP-2 (12') without filter	8/5/2016	17:08	30.4	0.1	7.7	12.3	>100	87 - 91	None	1012 - 1014	MW-7: 19.20
GP-2 (12') with filter		17:08	30.4	0.1	7.6	4.5	91				MW-8: 19.05
GP-2 (16') without filter		17:12	63.0	0.2	7.9	37.8	>100				MW-11: 21.03
GP-2 (16') with filter		17:12	63.0	0.9	7.4	5.1	>100				MW-12: 20.78

Table 2

GP-2 Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ ^[2] (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	Water Levels (ft BTOR)
GP-2 (12') without filter	8/13/2016	11:25	41.8	0.0	8.2	15.5	>100	79 - 84	Trace	1011 - 1015	MW-7: 19.24
GP-2 (12') with filter		11:25	41.8	0.9	7.6	4.5	90				MW-8: 19.38
GP-2 (16') without filter		11:32	73.0	0.0	8.6	44.1	>100				MW-11: 20.97
GP-2 (16') with filter		11:32	73.0	1.6	7.7	4.9	99				MW-12: 21.08
GP-2 (12') without filter	8/19/2016 ^[5]	11:04	8.1	0.0	8.9	16.7	>100	77 - 86	None	1014 - 1017	MW-7: 19.04
GP-2 (12') with filter		11:04	8.1	0.1	8.6	4.1	82				MW-8: 18.90
GP-2 (16') without filter		11:12	17.0	0.3	9.2	30.5	>100				MW-11: 20.87
GP-2 (16') with filter		11:12	17.0	0.4	9.0	4.2	84				MW-12: 20.64
GP-2 (12') without filter	8/23/2016	12:53	47.9	0.1	8.3	9.3	>100	75 - 80	None	1023 - 1026	MW-7: 18.99
GP-2 (12') with filter		12:53	47.9	0.1	8.3	3.4	68				MW-8: 19.12
GP-2 (16') without filter		12:59	68.3	0.0	8.7	15.5	>100				MW-11: 20.70
GP-2 (16') with filter		12:59	68.3	0.0	8.7	3.5	70				MW-12: 20.81
GP-2 (12') without filter	8/29/2016	13:08	60.7	0.4	8.8	6.4	>100	79-88	None	1022 - 1025	MW-7: 19.11
GP-2 (12') with filter		13:08	60.7	0.4	8.6	3.0	60				MW-8: 18.98
GP-2 (16') without filter		13:13	82.5	0.2	9.3	15.7	>100				MW-11: 20.71
GP-2 (16') with filter		13:13	82.5	0.3	9.0	3.3	65				MW-12: 20.85
GP-2 (12') without filter	9/7/2016		18.1	0.0	8.5	4.5	90	75 - 90	None	1019 - 1022	MW-7: 19.45
GP-2 (12') with filter			18.1	0.0	8.0	2.8	56				MW-8: 19.29
GP-2 (16') without filter			33.0	0.0	8.7	13.3	>100				MW-11: 21.74
GP-2 (16') with filter			33.0	0.0	8.5	3.6	73				MW-12: 21.03
GP-2 (12') without filter	9/14/2016		32.7	0.0	9.3	6.9	>100	75 - 85	Trace	1020 - 1024	MW-7: 19.37
GP-2 (12') with filter			32.7	0.0	9.4	3.2	65				MW-8: 19.22
GP-2 (16') without filter			53.1	0.0	9.6	20.1	>100				MW-11: 21.10
GP-2 (16') with filter			53.1	0.0	9.6	4.0	80				MW-12: 20.91
GP-2 (12') without filter	9/20/2016	14:10	25.5	0.0	8.8	7.4	>100	72 - 86	None	1019 - 1022	MW-7: 19.55
GP-2 (12') with filter		14:10	25.5	0.0	8.8	3.3	67				MW-8: 19.41
GP-2 (16') without filter		14:28	37.7	0.0	9.0	19.4	>100				MW-11: 21.24
GP-2 (16') with filter		14:28	37.7	0.0	8.8	4.0	80				MW-12: 21.15
GP-2 (12') without filter	9/28/2016	14:43	28.5	0.1	10.0	6.6	>100	50 - 60	1 inch	1009 - 1014	MW-7: 19.67
GP-2 (12') with filter		14:43	28.5	0.0	10.1	3.1	62				MW-8: 19.52
GP-2 (16') without filter		14:48	35.2	0.1	10.2	16.6	>100				MW-11: 21.51
GP-2 (16') with filter		14:48	35.2	0.1	10.2	3.7	74				MW-12: 21.26
GP-2 (12') without filter	10/7/2016	11:38	88.4	0.0	9.4	5.7	>100	55 - 79	None	1016 - 1020	MW-7: 19.56
GP-2 (12') with filter		11:38	88.4	0.0	9.3	2.8	56				MW-8: 19.40
GP-2 (16') without filter		11:43	89.5	0.0	9.7	11.9	>100				MW-11: 21.38
GP-2 (16') with filter		11:43	89.5	0.0	8.6	3.4	68				MW-12: 21.13
GP-2 (12') without filter	10/12/2016	15:44	27.9	0.0	9.4	4.7	94	50 - 77	Trace	1017 - 1023	MW-7: 19.69
GP-2 (12') with filter		15:44	27.9	0.0	9.2	2.7	54				MW-8: 19.55
GP-2 (16') without filter		15:40	44.2	0.0	9.7	10.2	>100				MW-11: 21.27
GP-2 (16') with filter		15:40	44.2	0.0	9.4	2.9	59				MW-12: 21.52
GP-2 (12') without filter	10/21/2016	12:55	25.4	0.0	10.4	6.0	>100	48 - 55	0.3 inches	1012 - 1018	MW-7: 19.71
GP-2 (12') with filter		12:55	25.4	0.2	10.1	2.8	56				MW-8: 19.54
GP-2 (16') without filter		12:55	27.2	0.4	10.5	12.5	>100				MW-11: 21.26
GP-2 (16') with filter		12:55	27.2	0.4	10.1	3.1	62				MW-12: na
GP-2 (12') without filter	10/28/2016	13:17	16.5	0.8	10.1	3.2	65	43 - 64	None	1020 - 1027	MW-7: 19.53
GP-2 (12') with filter		13:17	16.5	0.4	8.4	2.0	40				MW-8: 19.38
GP-2 (16') without filter			32.9	0.5	10.0	4.4	90				MW-11: 21.10
GP-2 (16') with filter			32.9	0.7	9.6	1.9	40				MW-12: 21.35

Table 2

GP-2 Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ ^[2] (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	Water Levels (ft BTOR)
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Notes:

- [1] - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.
 - [2] - The Landtec GEM 2000 combustible gas monitor measures explosive gases as a percent of methane by volume. The presence of other hydrocarbon gases affects methane readings.
 - [3] -CO₂ readings started at 0.1 ppm.
 - [4] -GHD field personnel noted the presence of a manhole (and a possible underground utility) located ~ 3 feet from GP-2 that may be contributing to elevated methane levels
 - [5] Collected SUMMA canister samples at GP-2 (12')(16')
- PID - Photoionization Detector
 O₂ - Oxygen
 CO₂ - Carbon Dioxide
 CH₄ - Methane
 LEL - Lower Explosive Limit
 NM - Not measured
 U - Qualified as non-detect due to issues with the filter
Value - Value is greater than LEL for methane (5 percent methane)

Source of weather data from July to October 2016:

https://www.wunderground.com/history/airport/KDAY/2016/9/28/DailyHistory.html?req_city=&req_state=&req_stname=&reqdb.zip=&reqdb.magic=&reqdb.wmo=

Table 3

Page 1 of 13

Soil Gas Probe Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation
GP22-13 (20') without filter	7/11/2013	14:55	0.1	8.4	3.4	0.0	0	60s - 70s	None
GP22-13 (20') with filter		14:55	0.1	8.4	3.6	0.0	0		
GP23-13 (18.5') without filter		15:01	0.9	15.6	3.2	0.0	0		
GP23-13 (18.5') with filter		15:01	0.9	15.0	2.1	0.0	0		
GP24A-13 (20') without filter		15:05	1.4	10.1	7.2	0.0	0		
GP24A-13 (20') with filter		15:05	1.4	8.6	7.5	0.0	0		
GP24B-13 (4.5') without filter		15:10	0.3	11.5	6.1	0.0	0		
GP24B-13 (4.5') with filter		15:10	0.3	11.4	5.9	0.0	0		
GP-7 (8') without filter	7/18/2013	15:31	0.0	16.2	3.0	0.0	0	70s - 90s	None
GP-7 (8') with filter		15:31	0.0	16.1	3.2	0.0	0		
GP-7 (12') without filter		15:31	0.0	13.0	5.0	0.0	0		
GP-7 (12') with filter		15:31	0.0	13.4	4.8	0.0	0		
GP12-09 (6') without filter		15:25	0.1	0.9	10.2	0.5	12		
GP12-09 (6') with filter		15:25	0.1	1.2	11.3	0.6	12		
GP22-13 (20') without filter		14:45	0.3	14.5	1.0	0.0	0		
GP22-13 (20') with filter		14:45	0.3	14.6	1.3	0.1	1		
GP23-13 (18.5') without filter		14:51	0.0	12.2	5.3	0.0	0		
GP23-13 (18.5') with filter		14:51	0.0	12.4	6.0	0.1	1		
GP24A-13 (20') without filter		14:57	0.6	14.4	4.2	0.0	0		
GP24A-13 (20') with filter		14:57	0.6	14.2	4.8	0.0	0		
GP24B-13 (4.5') without filter		15:02	0.0	14.1	4.9	0.0	0		
GP24B-13 (4.5') with filter		15:02	0.0	16.8	3.1	0.0	0		
GP-7 (8') with filter	7/25/2013	14:24	0.0	16.8	3.4	0.0	0	50s - 70s	None
GP-7 (8') without filter		14:24	0.0	16.7	3.2	0.0	0		
GP-7 (12') with filter		14:24	0.0	13.2	5.7	0.0	0		
GP-7 (12') without filter		14:24	0.0	13.2	6.1	0.0	0		
GP-7 (16') with filter		14:24	0.0	10.4	6.6	0.0	0		
GP-7 (16') without filter		14:24	0.0	10.4	6.8	0.0	0		
GP12-09 (6') with filter		14:37	0.6	18.0	3.9	0.0	0		
GP12-09 (6') without filter		14:37	0.6	18.0	4.2	0.0	0		
GP23-13 (18.5') with filter	8/1/2013	14:42	0.0	14.1	4.8	0.0	0	60s - 80s	None
GP23-13 (18.5') without filter		14:42	0.0	14.2	4.6	0.0	0		
GP23-13 (18.5') without filter		14:11	0.0	12.4	5.9	0.0	0		
GP23-13 (18.5') with filter		14:11	0.0	12.1	5.4	0.0	0		
GP-7 (8') without filter		14:17	0.0	16.7	3.1	0.0	0		
GP-7 (8') with filter		14:17	0.0	16.4	3.0	0.0	0		
GP-7 (12') without filter		14:17	0.0	13.2	4.7	0.0	0		
GP-7 (12') with filter		14:17	0.0	13.4	4.9	0.0	0		
GP-7 (16') without filter		14:17	0.0	11.4	6.0	0.0	0		None
GP-7 (16') with filter		14:17	0.0	11.1	6.1	0.0	0		
GP12-09 (6') without filter		14:30	0.1	7.8	7.3	0.3	6		None
GP12-09 (6') with filter		14:30	0.1	8.3	7.8	0.2	4		

Table 3

Page 2 of 13

Soil Gas Probe Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation
GP23-13 (18.5') without filter	8/6/2013	13:56	0.1	12.6	5.4	0.0	0	60s - 80s	None
GP23-13 (18.5') with filter		13:56	0.1	10.4	5.8	0.0	0		
GP-7 (8') without filter		13:40	0.0	16.4	4.7	0.0	0		
GP-7 (8') with filter		13:40	0.0	16.1	4.5	0.0	0		
GP-7 (12') without filter		13:40	0.0	13.1	5.4	0.0	0		
GP-7 (12') with filter		13:40	0.0	13.4	4.9	0.0	0		
GP-7 (16') without filter		13:40	0.0	10.5	6.1	0.0	0		
GP-7 (16') with filter		13:40	0.0	10.6	6.7	0.0	0		
GP12-09 (6') without filter		14:01	0.3	8.7	6.4	0.0	0		
GP12-09 (6') with filter		14:01	0.3	8.9	6.7	0.0	0		
GP12-09 (6') without filter	8/15/2013	13:05	0.0	20.2	1.3	0.0	0	40s - 70s	None
GP12-09 (6') with filter		13:05	0.0	19.8	1.4	0.0	0		
GP23-13 (18.5') without filter		13:11	0.0	11.1	6.7	0.0	0		
GP23-13 (18.5') with filter		13:11	0.0	9.4	6.7	0.0	0		
GP-7 (8') without filter		13:17	0.0	12.8	5.9	0.0	0		
GP-7 (8') with filter		13:17	0.0	14.5	4.6	0.0	0		
GP-7 (12') without filter		13:17	0.0	13.0	4.9	0.0	0		
GP-7 (12') with filter		13:17	0.0	13.4	4.7	0.0	0		
GP-7 (16') without filter		13:17	0.0	9.3	7.6	0.0	0		
GP-7 (16') with filter		13:17	0.0	9.1	6.8	0.0	0		
GP12-09 (6') without filter	8/22/2013	14:21	0.0	0.9	12.0	0.0	0	60s - 80s	Trace (0.06 in.)
GP12-09 (6') with filter		14:21	0.0	0.9	11.6	0.0	0		
GP23-13 (18.5') without filter		14:15	0.0	10.4	6.9	0.0	0		
GP23-13 (18.5') with filter		14:15	0.0	10.6	6.1	0.0	0		
GP-7 (8') without filter		14:26	0.0	10.4	7.0	0.0	0		
GP-7 (8') with filter		14:26	0.0	10.2	6.4	0.0	0		
GP-7 (12') without filter		14:26	0.0	9.5	7.4	0.0	0		
GP-7 (12') with filter		14:26	0.0	9.2	7.2	0.0	0		
GP-7 (16') without filter		14:26	0.0	8.2	7.9	0.0	0		
GP-7 (16') with filter		14:26	0.0	8.4	7.7	0.0	0		
GP12-09 (6') without filter	8/27/2013	13:55	0.3	1.6	11.9	0.0	0	70s - 80s	None
GP12-09 (6') with filter		13:55	0.3	1.5	11.2	0.0	0		
GP23-13 (18.5') without filter		14:01	0.1	10.5	7.5	0.0	0		
GP23-13 (18.5') with filter		14:01	0.1	8.6	8.2	0.0	0		
GP-7 (8') without filter		14:05	0.0	11.1	7.1	0.0	0		
GP-7 (8') with filter		14:05	0.0	10.4	7.3	0.0	0		
GP-7 (12') without filter		14:05	0.1	9.8	7.6	0.0	0		
GP-7 (12') with filter		14:05	0.1	9.2	7.6	0.0	0		
GP-7 (16') without filter		14:05	0.1	8.9	7.8	0.0	0		
GP-7 (16') with filter		14:05	0.1	8.9	7.5	0.0	0		

Table 3

Page 3 of 13

Soil Gas Probe Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation
GP12-09 (6') without filter	9/5/2013	-	0.0	17.9	3.1	0.1	1	50s - 80s	None
GP12-09 (6') with filter		-	0.0	17.5	3.7	0.0	0		
GP23-13 (18.5') without filter		-	0.3	11.3	7.0	0.0	0		
GP23-13 (18.5') with filter		-	0.3	11.7	5.5	0.0	0		
GP-7 (8') without filter		-	0.0	11.0	7.2	0.0	0		
GP-7 (8') with filter		-	0.0	11.3	5.6	0.0	0		
GP-7 (12') without filter		-	0.0	10.3	7.5	0.0	0		
GP-7 (12') with filter		-	0.0	10.6	6.4	0.0	0		
GP-7 (16') without filter		-	0.0	8.4	8.6	0.0	0		
GP-7 (16') with filter		-	0.0	8.4	7.8	0.0	0		
GP23-13 (18.5') without filter	9/12/2013	17:45	0.0	10.4	8.1	0.1	2	60-80s	0.29 inches
GP23-13 (18.5') with filter		17:45	0.0	10.7	6.4	0.1	2		
GP-7 (8') without filter		--	0.0	10.9	7.6	0.0	0		
GP-7 (8') with filter		--	0.0	10.8	7.7	0.0	0		
GP-7 (12') without filter		--	0.1	8.3	9.3	0.0	0		
GP-7 (12') with filter		--	0.1	8.2	9.3	0.0	0		
GP-7 (16') without filter		--	--	7.8	9.3	0.0	0		
GP-7 (16') with filter		--	--	7.9	8.7	0.0	0		
GP-7 (8') without filter	10/17/2013	14:18	0.0	11.5	7.1	0.0	0	40s - 50s	0.1 inches
GP-7 (8') with filter		14:18	0.0	13.5	5.1	0.0	0		
GP-7 (12') without filter		14:23	0.0	11.3	7.0	0.0	0		
GP-7 (12') with filter		14:23	0.0	9.3	8.4	0.0	0		
GP-7 (16') without filter		14:27	0.0	7.9	10.0	0.0	0		
GP-7 (16') with filter		14:27	0.0	8.4	9.3	0.0	0		
GP12-09 (6') without filter		14:14	0.0	17.4	2.4	0.0	0		
GP12-09 (6') with filter		14:14	0.0	17.6	1.5	0.0	0		
GP22-13 (20') without filter		14:31	0.0	0.5	9.7	0.0	0		
GP22-13 (20') with filter		14:31	0.0	1.0	8.9	0.0	0		
GP23-13 (18.5') without filter		14:35	0.0	8.7	10.0	0.0	0		
GP23-13 (18.5') with filter		14:35	0.0	8.2	10.0	0.0	0		
GP24A-13 (20') without filter		14:38	0.0	8.1	10.4	0.0	0		
GP24A-13 (20') with filter		14:38	0.0	10.8	7.9	0.0	0		
GP24B-13 (4.5') without filter		14:42	0.0	11.4	7.2	0.0	0		
GP24B-13 (4.5') with filter		14:42	11.8	5.9	0.0	0.0	0		
GP-7 (8') without filter	11/12/2013	13:00	0.0	14.4	5.5	0.0	0	20s - 30s	Trace (0.05 inches)
GP-7 (8') with filter		13:00	0.0	15.5	4.3	0.0	0		
GP-7 (12') without filter		13:06	0.0	13.7	6.0	0.0	0		
GP-7 (12') with filter		13:06	0.0	13.8	5.5	0.0	0		
GP-7 (16') without filter		13:13	0.0	10.6	8.6	0.0	0		
GP-7 (16') with filter		13:13	0.0	11.7	6.7	0.0	0		
GP12-09 (6') without filter		13:19	0.0	16.1	2.7	0.0	0		
GP12-09 (6') with filter		13:19	0.0	16.8	1.9	0.0	0		
GP23-13 (18.5') without filter		13:25	0.0	10.3	8.2	0.0	0		
GP23-13 (18.5') with filter		13:25	0.0	10.1	7.6	0.0	0		

Table 3

Page 4 of 13

Soil Gas Probe Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation
GP-7	12/19/2013			Buried Under Snow & Ice					30s - 40s
GP12-09 (6') without filter		14:54	0.0	19.9	0.8	0.0	0		
GP12-09 (6') with filter		14:54	0.0	19.0	0.4	0.0	0		
GP23-13 (18.5') without filter		14:57	0.0	12.1	8.3	0.0	0		
GP23-13 (18.5') with filter		14:57	0.0	12.4	7.0	0.0	0		
GP-7 (8') without filter		14:25	0.0	18.5	2.7	0.0	0		
GP-7 (8') with filter	1/9/2014	14:25	0.0	19.0	1.2	0.0	0	20s - 30s	1.55 inches
GP-7 (12') without filter		14:30	0.0	18.2	2.8	0.0	0		
GP-7 (12') with filter		14:30	0.0	18.4	1.6	0.0	0		
GP-7 (16') without filter		14:36	0.0	16.2	4.9	0.0	0		
GP-7 (16') with filter		14:36	0.0	16.7	3.9	0.0	0		
GP12-09 (6') without filter		14:20	0.0	12.9	3.6	0.0	0		
GP12-09 (6') with filter		14:20	0.0	12.6	2.9	0.0	0		
GP22-13 (20') without filter		14:00	0.0	8.5	6.3	0.0	0		
GP22-13 (20') with filter		14:00	0.0	15.8	2.5	0.0	0		
GP23-13 (18.5') without filter		14:05	0.0	14.2	6.1	0.0	0		
GP23-13 (18.5') with filter		14:05	0.0	16.8	3.2	0.0	0		
GP24A-13 (20') without filter	3/10/2014	14:11	0.0	14.3	5.4	0.0	0	40s - 50s	None
GP24A-13 (20') with filter		14:11	0.0	17.7	2.8	0.0	0		
GP24B-13 (4.5') without filter		14:16	0.1	16.5	3.1	0.0	0		
GP24B-13 (4.5') with filter		14:16	0.1	15.5	2.7	0.0	0		
GP-7 (8') without filter	4/2/2014	11:17	0.0	19.6	1.8	0.0	0	50s	Trace (0.15 inches)
GP-7 (8') with filter		11:17	0.0	19.9	1.2	0.0	0		
GP-7 (12') without filter			0.0	19.9	1.9	0.0	0		
GP-7 (12') with filter			0.0	20.2	0.6	0.0	0		
GP-7 (16') without filter				19.8	2.8	0.0	0		
GP-7 (16') with filter				20.2	1.5	0.0	0		
GP12-09 (6') without filter		11:28	0.0	16.4	6.0	0.0	0		
GP12-09 (6') with filter		11:28	0.0	16.8	5.3	0.0	0		
GP23-13 (18.5') without filter			0.0	21.3	0.4	0.0	0		
GP23-13 (18.5') with filter			0.0	20.8	2.3	0.0	0		

Table 3

Page 5 of 13

Soil Gas Probe Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	
GP-7	5/8/2014 [1]			Inaccessible					75-85	
GP12-09 (6') without filter		15:25	0.0	20.0	0.2	0.0	0			
GP12-09 (6') with filter		15:25	0.0	20.1	0.1	0.0	0			
GP22-13 (20') without filter		15:28	0.1	9.0	4.5	0.0	0			
GP22-13 (20') with filter		15:28	0.1	9.2	3.7	0.0	0			
GP23-13 (18.5') without filter		15:31	0.0	16.9	3.0	0.0	0			
GP23-13 (18.5') with filter		15:31	0.0	16.6	2.1	0.0	0			
GP24A-13 (20') without filter		15:40	0.0	14.7	3.5	0.0	0			
GP24A-13 (20') with filter		15:40	0.0	14.9	2.8	0.0	0			
GP24B-13 (4.5') without filter		15:44	0.0	16.5	3.0	0.0	0			
GP24B-13 (4.5') with filter		15:44	0.0	16.6	2.8	0.0	0			
GP-7	7/17/2014			Inaccessible (unable to located soil gas probe)					70-75	
GP12-09 (6') without filter		15:37	0.0	19.4	0.7	0.0	0			
GP12-09 (6') with filter		15:37	0.0	19.5	0.3	0.0	0			
GP22-13 (20')				Inaccessible (access restricted by property owner)						
GP23-13 (18.5') without filter		15:41	0.0	13.7	4.3	0.0	0			
GP23-13 (18.5') with filter		15:41	0.0	13.7	4.0	0.0	0			
GP24A-13 (20') without filter		15:44	0.0	12.0	5.5	0.0	0			
GP24A-13 (20') with filter		15:44	0.0	12.1	5.3	0.0	0			
GP24B-13 (4.5') without filter		15:47	0.0	13.0	5.2	0.0	0			
GP24B-13 (4.5') with filter		15:47	0.0	13.1	4.9	0.0	0			
GP-7	8/14/2014			Inaccessible (unable to located soil gas probe)					70-80	
GP12-09 (6') without filter		14:55	0.0	20.0	0.9	0.0	0.0			
GP12-09 (6') with filter		14:55	0.0	20.1	0.4	0.0	0.0			
GP22-13 (20')				Inaccessible (access restricted by property owner)						
GP23-13 (18.5') without filter		15:00	0.0	13.1	4.9	0.0	0.0			
GP23-13 (18.5') with filter		15:00	0.0	13.2	4.7	0.0	0.0			
GP24A-13 (20') without filter		15:03	0.0	13.2	5.8	0.0	0.0			
GP24A-13 (20') with filter		15:03	0.0	13.3	5.3	0.0	0.0			
GP24B-13 (4.5') without filter		15:06	0.0	15.5	4.8	0.0	0.0			
GP24B-13 (4.5') with filter		15:06	0.0	15.5	4.7	0.0	0.0			
GP-7	8/21/2014			Inaccessible (unable to located soil gas probe)					75-79	
GP12-09 (6') without filter		15:58	0.0	20.0	0.9	0.0	0.0			
GP12-09 (6') with filter		15:58	0.0	20.1	0.5	0.0	0.0			
GP22-13 (20')				Inaccessible (access restricted by property owner)						
GP23-13 (18.5') without filter		16:02	0.0	11.9	6.8	0.0	0.0			
GP23-13 (18.5') with filter		16:02	0.0	12.2	5.8	0.0	0.0			
GP24A-13 (20') without filter		16:05	0.0	13.3	6.2	0.0	0.0			
GP24A-13 (20') with filter		16:05	0.0	13.3	6.0	0.0	0.0			
GP24B-13 (4.5') without filter		16:10	0.0	15.8	5.1	0.0	0.0			
GP24B-13 (4.5') with filter		16:10	0.0	15.7	4.6	0.0	0.0			
GP-7	8/28/2014			Inaccessible (unable to located soil gas probe)					1.14 inches	
GP12-09 (6') without filter		11:48	0.0	19.7	1.0	0.0	0.0			
GP12-09 (6') with filter		11:48	0.0	19.8	0.4	0.0	0.0			
GP22-13 (20')				Inaccessible (access restricted by property owner)						
GP23-13 (18.5') without filter		11:50	1.0	13.2	6.1	0.0	0.0			
GP23-13 (18.5') with filter		11:50	1.0	13.5	4.5	0.0	0.0			
GP24A-13 (20') without filter		11:55	1.0	14.1	5.4	0.0	0.0			
GP24A-13 (20') with filter		11:55	1.0	15.6	3.6	0.0	0.0			
GP24B-13 (4.5') without filter		12:00	0.0	13.9	6.2	0.0	0.0			
GP24B-13 (4.5') with filter		12:00	0.0	14.0	5.6	0.0	0.0			

Table 3

Page 6 of 13

Soil Gas Probe Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation		
GP-7 (8') without filter	9/4/2014	14:25	0.0	14.3	4.6	0.0	0	85-90	None		
GP-7 (8') with filter		14:25	0.0	14.3	4.5	0.0	0				
GP-7 (12') without filter		14:30	0.0	12.0	6.4	0.0	0				
GP-7 (12') with filter		14:30	0.0	21.1	6.6	0.0	0				
GP-7 (16') without filter		14:36	0.0	10.6	7.0	0.0	0				
GP-7 (16') with filter		14:36	0.0	10.6	7.4	0.0	0				
GP12-09 (6') without filter		14:19	0.0	19.2	1.2	0.0	0				
GP12-09 (6') with filter		14:19	0.0	19.1	1.5	0.0	0				
GP22-13 (20')		Inaccessible (access restricted by property owner)									
GP23-13 (18.5') without filter		14:02	0.0	13.1	5.9	0.0	0				
GP23-13 (18.5') with filter		14:02	0.0	13.0	6.2	0.0	0				
GP24A-13 (20') without filter		14:07	0.0	14.2	5.9	0.0	0				
GP24A-13 (20') with filter		14:07	0.0	14.2	5.2	0.0	0				
GP24B-13 (4.5') without filter		14:13	0.0	13.7	5.6	0.0	0				
GP24B-13 (4.5') with filter		14:13	0.0	13.6	5.8	0.0	0				
GP-7 (8') without filter	10/9/2014	13:06	0.2	13.9	5.4	0.0	0	50s	0.3 inches		
GP-7 (8') with filter		13:06	0.2	14.1	5.2	0.0	0				
GP-7 (12') without filter		13:12	0.3	12.2	6.7	0.0	0				
GP-7 (12') with filter		13:12	0.3	12.5	5.8	0.0	0				
GP-7 (16') without filter		13:17	0.6	11.1	7.2	0.0	0				
GP-7 (16') with filter		13:17	0.6	11.0	7.4	0.0	0				
GP12-09 (6') without filter		12:35	0.0	12.3	6.8	0.0	0				
GP12-09 (6') with filter		12:35	0.0	12.5	6.5	0.0	0				
GP22-13 (20') without filter		12:41	0.0	7.9	6.1	0.0	0				
GP22-13 (20') with filter		12:41	0.0	7.8	6.3	0.0	0				
GP23-13 (18.5') without filter		12:48	0.0	13.6	5.7	0.0	0				
GP23-13 (18.5') with filter		12:48	0.0	13.8	6.0	0.0	0				
GP24A-13 (20') without filter		12:54	0.0	15.5	4.4	0.0	0				
GP24A-13 (20') with filter		12:54	0.0	15.8	4.6	0.0	0				
GP24B-13 (4.5') without filter		13:00	0.0	15.3	4.7	0.0	0				
GP24B-13 (4.5') with filter		13:00	0.0	15.3	4.5	0.0	0				
GP-7 (8') without filter	11/26/2014	13:50	0.0	19.6	2.0	0.0	0	30-35	None		
GP-7 (8') with filter		13:50	0.0	19.8	0.8	0.0	0				
GP-7 (12') without filter		13:53	0.0	19.5	2.0	0.0	0				
GP-7 (12') with filter		13:53	0.0	19.8	1.3	0.0	0				
GP-7 (16') without filter		13:55	0.0	18.1	3.4	0.0	0				
GP-7 (16') with filter		13:55	0.0	18.4	1.5	0.0	0				
GP12-09 (6') without filter		13:57	0.0	21.4	2.8	0.0	0				
GP12-09 (6') with filter		13:57	0.0	21.0	2.5	0.0	0				
GP22-13 (20')		Inaccessible (access restricted by property owner)									
GP23-13 (18.5') without filter		13:59	0.0	17.5	3.8	0.0	0				
GP23-13 (18.5') with filter		13:59	0.0	18.6	1.3	0.0	0				
GP24A-13 (20') without filter		14:02	0.0	18.0	3.7	0.0	0				
GP24A-13 (20') with filter		14:02	0.0	20.7	1.8	0.0	0				
GP24B-13 (4.5') without filter		14:04	0.0	19.0	2.6	0.0	0				
GP24B-13 (4.5') with filter		14:04	0.0	20.4	2.3	0.0	0				

Table 3

Page 7 of 13

Soil Gas Probe Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation		
GP-7 (8') without filter	2/6/2015	16:07	0.0	19.4	2.6	0.0	0	25-35	None		
GP-7 (8') with filter		16:07	0.0	19.2	2.4	0.0	0				
GP-7 (12') without filter		16:10	0.0	18.8	3.1	0.0	0				
GP-7 (12') with filter		16:10	0.0	19.1	2.0	0.0	0				
GP-7 (16') without filter		16:13	0.0	19.5	2.2	0.0	0				
GP-7 (16') with filter		16:13	0.0	19.6	1.4	0.0	0				
GP12-09 (6') without filter		16:16	0.0	20.8	1.2	0.0	0				
GP12-09 (6') with filter		16:16	0.0	20.9	1.1	0.0	0				
GP22-13 (20')		Inaccessible (access restricted by property owner)									
GP23-13 (18.5') without filter		16:19	0.0	17.1	4.9	0.0	0				
GP23-13 (18.5') with filter		16:19	0.0	17.0	3.4	0.0	0				
GP24A-13 (20') without filter		16:23	0.0	16.6	4.6	0.0	0				
GP24A-13 (20') with filter		16:23	0.0	18.3	3.0	0.0	0				
GP24B-13 (4.5') without filter		16:26	0.0	17.8	3.2	0.0	0				
GP24B-13 (4.5') with filter		16:26	0.0	17.9	2.4	0.0	0				
GP-7 (8') without filter	5/20/2015	16:14	0.0	17.4	2.8	0.0	0	50-60	None		
GP-7 (8') with filter		16:14	0.0	17.5	2.0	0.0	0				
GP-7 (12') without filter		16:16	0.0	16.7	3.2	0.0	0				
GP-7 (12') with filter		16:16	0.0	16.9	2.8	0.0	0				
GP-7 (16') without filter		16:18	0.0	16.7	3.1	0.0	0				
GP-7 (16') with filter		16:18	0.0	16.9	2.3	0.0	0				
GP12-09 (6') without filter		16:20	0.0	20.7	0.6	0.0	0				
GP12-09 (6') with filter		16:20	0.0	21.0	0.4	0.0	0				
GP22-13 (20') without filter		16:22	0.0	7.3	6.0	0.0	0				
GP22-13 (20') with filter		16:22	0.0	7.2	5.4	0.0	0				
GP23-13 (18.5') without filter		16:26	0.2	17.5	2.2	0.0	0				
GP23-13 (18.5') with filter		16:26	0.2	17.8	1.8	0.0	0				
GP24A-13 (20') without filter		16:29	0.0	14.9	4.4	0.0	0				
GP24A-13 (20') with filter		16:29	0.0	15.0	3.7	0.0	0				
GP24B-13 (4.5') without filter		16:31	0.0	16.8	3.8	0.0	0				
GP24B-13 (4.5') with filter		16:31	0.0	16.9	2.9	0.0	0				
GP-7 (8') without filter	8/20/2015	14:07	0.0	11.8	6.1	0.0	0	65-70	Trace		
GP-7 (8') with filter		14:07	0.0	13.4	4.6	0.0	0				
GP-7 (12') without filter		14:10	0.0	11.9	6.2	0.0	0				
GP-7 (12') with filter		14:10	0.0	11.5	5.8	0.0	0				
GP-7 (16') without filter		14:13	0.0	11.2	6.1	0.0	0				
GP-7 (16') with filter		14:13	0.0	11.3	5.6	0.0	0				
GP12-09 (6') without filter		14:17	0.0	19.0	1.0	0.0	0				
GP12-09 (6') with filter		14:17	0.0	19.2	0.6	0.0	0				
GP22-13 (20') without filter		14:20	0.0	2.7	7.8	0.0	0				
GP22-13 (20') with filter		14:20	0.0	2.6	7.3	0.0	0				
GP23-13 (18.5') without filter		14:24	0.0	13.8	4.9	0.0	0				
GP23-13 (18.5') with filter		14:24	0.0	13.8	4.8	0.0	0				
GP24A-13 (20') without filter		14:28	0.0	13.4	6.4	0.0	0				
GP24A-13 (20') with filter		14:28	0.0	13.2	6.2	0.0	0				
GP24B-13 (4.5') without filter		14:32	0.0	13.4	6.4	0.0	0				
GP24B-13 (4.5') with filter		14:32	0.0	13.2	6.2	0.0	0				

Table 3

Page 8 of 13

Soil Gas Probe Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation
GP-7 (8') without filter	11/5/2015	14:45	0.0	13.8	4.9	0.0	0	60-70	Trace
GP-7 (8') with filter		14:45	0.0	13.8	3.9	0.0	0		
GP-7 (12') without filter		14:47	0.0	13.2	5.3	0.0	0		
GP-7 (12') with filter		14:47	0.0	13.3	4.6	0.0	0		
GP-7 (16') without filter		14:50	0.0	11.2	7.3	0.0	0		
GP-7 (16') with filter		14:50	0.0	11.4	6.2	0.0	0		
GP12-09 (6') without filter		14:55	0.0	20.1	0.4	0.0	0		
GP12-09 (6') with filter		14:55	0.0	20.2	0.2	0.0	0		
GP22-13 (20') without filter		14:42	0.0	1.6	9.2	0.0	0		
GP22-13 (20') with filter		14:42	0.0	1.4	8.1	0.0	0		
GP23-13 (18.5') without filter		14:38	0.0	11.7	7.5	0.0	0		
GP23-13 (18.5') with filter		14:38	0.0	11.9	6.8	0.0	0		
GP24A-13 (20') without filter		14:30	0.0	11.5	8.0	0.0	0		
GP24A-13 (20') with filter		14:30	0.0	11.7	6.9	0.0	0		
GP24B-13 (4.5') without filter		14:34	0.0	14.2	5.2	0.0	0		
GP24B-13 (4.5') with filter		14:34	0.0	14.3	5.0	0.0	0		
GP-7 (8') without filter	1/28/2016	14:51	0.0	18.2	3.5	0.0	0	35-45	Trace
GP-7 (8') with filter		14:51	0.0	18.6	1.4	0.0	0		
GP-7 (12') without filter		14:55	0.0	18.5	2.9	0.0	0		
GP-7 (12') with filter		14:55	0.0	18.8	2.8	0.0	0		
GP-7 (16') without filter		14:58	0.0	18.8	2.5	0.0	0		
GP-7 (16') with filter		14:58	0.0	18.8	2.2	0.0	0		
GP12-09 (6') without filter		15:00	0.0	18.8	2.3	0.0	0		
GP12-09 (6') with filter		15:00	0.0	20.8	2.1	0.0	0		
GP22-13 (20') without filter		15:03	0.0	4.5	8.5	0.0	0		
GP22-13 (20') with filter		15:03	0.0	3.0	7.8	0.0	0		
GP23-13 (18.5') without filter		15:08	0.0	12.9	7.5	0.0	0		
GP23-13 (18.5') with filter		15:08	0.0	12.9	6.5	0.0	0		
GP24A-13 (20') without filter		15:10	0.0	16.4	4.1	0.0	0		
GP24A-13 (20') with filter		15:10	0.0	17.2	1.9	0.0	0		
GP24B-13 (4.5') without filter		15:13	0.0	13.9	4.7	0.0	0		
GP24B-13 (4.5') with filter		15:13	0.0	14.4	4.2	0.0	0		
GP-7 (8') without filter	7/21/2016	14:37	0.0	12.7	5.8	0.0	0	88-91	None
GP-7 (8') with filter		14:37	0.0	14.1	5.0	0.0	0		
GP-7 (12') without filter		14:40	0.0	12.3	6.0	0.0	0		
GP-7 (12') with filter		14:40	0.0	12.4	5.5	0.0	0		
GP-7 (16') without filter		14:45	0.0	12.4	5.8	0.0	0		
GP-7 (16') with filter		14:45	0.0	12.2	5.4	0.0	0		
GP12-09 (6') without filter		14:48	0.4	19.3	1.0	0.0	0		
GP12-09 (6') with filter		14:48	0.4	19.3	0.8	0.0	0		
GP22-13 (20') without filter		14:52	0.3	6.0	6.2	0.0	0		
GP22-13 (20') with filter		14:52	0.3	5.4	6.1	0.0	0		
GP23-13 (18.5') without filter		14:55	0.4	12.8	6.1	0.0	0		
GP23-13 (18.5') with filter		14:55	0.4	12.9	6.0	0.0	0		
GP24A-13 (20') without filter		14:59	0.0	10.5	7.5	0.0	0		
GP24A-13 (20') with filter		14:59	0.0	10.7	7.2	0.0	0		
GP24B-13 (4.5') without filter		15:04	0.0	13.0	6.9	0.0	0		
GP24B-13 (4.5') with filter		15:04	0.0	12.9	6.7	0.0	0		

Table 3

Page 9 of 13

Soil Gas Probe Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation		
GP-7 (8') without filter	7/29/2016	11:00	0.2	12.1	6.1	0.0	0	85-86	None		
GP-7 (8') with filter		11:00	0.2	15.3	3.6	0.0	0				
GP-7 (12') without filter		10:54	0.1	13.8	4.9	0.0	0				
GP-7 (12') with filter		10:54	0.1	12.3	5.8	0.0	0				
GP-7 (16') without filter		11:04	0.0	11.1	6.3	0.0	0				
GP-7 (16') with filter		11:04	0.0	11.5	5.5	0.0	0				
GP12-09 (6') without filter		10:16	1.5	19.3	1.2	0.0	0				
GP12-09 (6') with filter		10:16	1.5	19.6	1.1	0.0	0				
GP22-13 (20') without filter		10:35	48.8	0.3	8.7	0.0	0				
GP22-13 (20') with filter		10:35	48.8	1.0	8.4	0.0	0				
GP23-13 (18.5') without filter		10:02	87.0	12.3	7.2	0.0	0				
GP23-13 (18.5') with filter		10:02	87.0	12.4	6.9	0.0	0				
GP24A-13 (20') without filter		9:51	1081.0	7.1	11.2	0.0	0				
GP24A-13 (20') with filter		9:51	1081.0	8.2	10.4	0.0	0				
GP24B-13 (4.5') without filter		9:56	429.2	13.8	7.2	0.0	0				
GP24B-13 (4.5') with filter		9:56	429.2	13.7	7.3	0.0	0				
GP-7 (8') without filter	8/5/2016	16:53	0.0	11.4	6.3	0.0	0	87-91	None		
GP-7 (8') with filter		16:53	0.0	11.5	6.1	0.0	0				
GP-7 (12') without filter		16:57	0.0	11.0	6.7	0.0	0				
GP-7 (12') with filter		16:57	0.0	11.0	6.4	0.0	0				
GP-7 (16') without filter		17:00	10.5	6.6	0.0	0.0	0				
GP-7 (16') with filter		17:00	10.6	6.4	0.0	0.0	0				
GP12-09 (6') without filter		16:45	0.0	18.8	1.4	0.0	0				
GP12-09 (6') with filter		16:45	0.0	19.0	1.2	0.0	0				
GP22-13 (20') without filter		15:37	0.0	0.3	8.6	0.0	0				
GP22-13 (20') with filter		15:37	0.0	3.4	6.9	0.0	0				
GP23-13 (18.5') without filter		17:03	0.0	11.4	6.7	0.0	0				
GP23-13 (18.5') with filter		17:03	0.0	12.2	5.9	0.0	0				
GP24A-13 (20') without filter		17:26	0.0	6.2	10.4	0.0	0				
GP24A-13 (20') with filter		17:26	0.0	6.2	10.3	0.0	0				
GP24B-13 (4.5') without filter		17:31	0.0	12.5	6.4	0.0	0				
GP24B-13 (4.5') with filter		17:31	0.0	12.8	6.3	0.0	0				
GP-7 (8') without filter	8/13/2016	11:00	0.0	12.5	6.3	0.0	0	79 - 84	Trace		
GP-7 (8') with filter		11:00	0.0	12.6	6.2	0.0	0				
GP-7 (12') without filter		11:06	0.0	11.7	7.0	0.0	0				
GP-7 (12') with filter		11:06	0.0	11.9	6.7	0.0	0				
GP-7 (16') without filter		11:13	0.0	10.8	7.2	0.0	0				
GP-7 (16') with filter		11:13	0.0	10.9	7.1	0.0	0				
GP12-09 (6') without filter		11:19	0.0	18.4	1.4	0.0	0				
GP12-09 (6') with filter		11:19	0.0	18.5	1.6	0.0	0				
GP22-13 (20') without filter		No access. B&G closed.									
GP22-13 (20') with filter		No access. B&G closed.									
GP23-13 (18.5') without filter		10:45	0.0	10.9	7.4	0.0	0				
GP23-13 (18.5') with filter		10:45	0.0	11.1	7.5	0.0	0				
GP24A-13 (20') without filter		10:35	0.2	6.5	11.9	0.0	0				
GP24A-13 (20') with filter		10:35	0.2	6.6	11.8	0.0	0				
GP24B-13 (4.5') without filter		10:25	3.2	12.8	7.3	0.0	0				
GP24B-13 (4.5') with filter		10:25	3.2	13.0	7.2	0.0	0				

Table 3

Page 10 of 13

Soil Gas Probe Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation		
GP-7 (8') without filter	8/19/2016	13:01	0.0	11.6	6.2	0.0	0	77-86	None		
GP-7 (8') with filter		13:01	0.0	13.9	5.2	0.0	0				
GP-7 (12') without filter		13:07	0.0	10.7	7.1	0.0	0				
GP-7 (12') with filter		13:07	0.0	10.7	6.6	0.0	0				
GP-7 (16') without filter		13:10	0.0	10.8	7.0	0.0	0				
GP-7 (16') with filter		13:10	0.0	10.8	6.8	0.0	0				
GP12-09 (6') without filter		13:22	0.0	19.2	1.1	0.0	0				
GP12-09 (6') with filter		13:22	0.0	19.1	0.8	0.0	0				
GP22-13 (20') without filter		13:52	0.0	0.6	8.6	0.0	0				
GP22-13 (20') with filter		13:52	0.0	3.4	6.5	0.0	0				
GP23-13 (18.5') without filter		13:27	0.0	10.7	7.5	0.0	0				
GP23-13 (18.5') with filter		13:27	0.0	11.3	6.8	0.0	0				
GP24A-13 (20') without filter		13:38	0.0	10.3	7.6	0.0	0				
GP24A-13 (20') with filter		13:38	0.0	10.4	7.5	0.0	0				
GP24B-13 (4.5') without filter	8/23/2016	13:34	0.0	6.7	11.5	0.0	0	75-80	None		
GP24B-13 (4.5') with filter		13:34	0.0	7.8	9.9	0.0	0				
GP-7 (8') without filter		13:10	0.0	11.5	6.3	0.0	0				
GP-7 (8') with filter		13:10	0.0	11.5	6.4	0.0	0				
GP-7 (12') without filter		13:16	0.0	10.5	7.0	0.0	0				
GP-7 (12') with filter		13:16	0.0	10.4	6.9	0.0	0				
GP-7 (16') without filter		13:25	0.0	9.9	7.0	0.0	0				
GP-7 (16') with filter		13:25	0.0	9.8	6.7	0.0	0				
GP12-09 (6') without filter		12:37	0.0	19.0	1.3	0.0	0				
GP12-09 (6') with filter		12:37	0.0	19.0	1.6	0.0	0				
GP22-13 (20') without filter		12:47	0.0	0.3	8.9	0.0	0				
GP22-13 (20') with filter		12:47	0.0	0.1	8.8	0.0	0				
GP23-13 (18.5') without filter		12:25	9.6	8.8	0.0	0	0				
GP23-13 (18.5') with filter		12:25	9.7	8.0	0.0	0	0				
GP24A-13 (20') without filter		12:05	0.0	6.3	12.3	0.0	0				
GP24A-13 (20') with filter		12:05	0.0	6.2	12.3	0.0	0				
GP24B-13 (4.5') without filter	8/29/2016	12:13	0.0	9.9	8.1	0.0	0	79-88	None		
GP24B-13 (4.5') with filter		12:13	0.0	9.8	8.1	0.0	0				
GP-7 (8') without filter		12:34	0.0	11.5	6.8	0.0	0				
GP-7 (8') with filter		12:34	0.0	11.6	6.7	0.0	0				
GP-7 (12') without filter		12:39	0.0	10.4	7.6	0.0	0				
GP-7 (12') with filter		12:39	0.0	10.5	7.5	0.0	0				
GP-7 (16') without filter		12:43	0.0	10.0	7.7	0.0	0				
GP-7 (16') with filter		12:43	0.0	10.1	7.5	0.0	0				
GP12-09 (6') without filter		No Site Access: GHD Lock Removed									
GP12-09 (6') with filter		12:58	5.2	0.2	9.6	0.0	0				
GP22-13 (20') without filter		12:58	5.2	0.5	9.4	0.0	0				
GP22-13 (20') with filter		12:26	9.0	10.2	7.5	3.4	68				
GP23-13 (18.5') without filter		12:26	9.0	10.3	7.1	3.3	67				
GP23-13 (18.5') with filter		12:17	119.5	6.1	11.5	0.0	0				
GP24A-13 (20') without filter		12:17	119.5	6.2	9.4	0.0	0				
GP24A-13 (20') with filter		12:11	425.8	11.1	8.4	0.0	0				
GP24B-13 (4.5') without filter		12:11	425.8	11.0	8.4	0.0	0				
GP24B-13 (4.5') with filter											

Table 3

Page 11 of 13

Soil Gas Probe Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation
GP-7 (8') without filter	9/7/2016	1300 to 1440	0.0	11.6	6.3	0.0	0	75 - 90	None
GP-7 (8') with filter			0.0	11.5	6.4	0.0	0		
GP-7 (12') without filter			0.0	10.0	7.5	0.0	0		
GP-7 (12') with filter			0.0	9.9	7.2	0.0	0		
GP-7 (16') without filter			0.0	9.2	7.5	0.0	0		
GP-7 (16') with filter			0.0	9.0	7.1	0.0	0		
GP12-09 (6') without filter			0.0	19.1	0.7	0.0	0		
GP12-09 (6') with filter			0.0	19.0	0.8	0.0	0		
GP22-13 (20') without filter			0.0	0	9.1	0.0	0		
GP22-13 (20') with filter			0.0	0	9.1	0.0	0		
GP23-13 (18.5') without filter			0.0	9.5	7.8	0.0	0		
GP23-13 (18.5') with filter			0.0	9.5	7.7	0.0	0		
GP24A-13 (20') without filter			0.0	5.2	13.1	0.0	0		
GP24A-13 (20') with filter			0.0	5.1	13.1	0.0	0		
GP24B-13 (4.5') without filter	9/14/2016	1200 to 1340	0.0	11.5	8.0	0.0	0	75 - 85	Trace
GP24B-13 (4.5') with filter			0.0	11.3	8.1	0.0	0		
GP-7 (8') without filter			0.0	11.6	6.2	0.0	0		
GP-7 (8') with filter			0.0	11.5	6.1	0.0	0		
GP-7 (12') without filter			0.0	9.8	7.8	0.0	0		
GP-7 (12') with filter			0.0	9.9	7.7	0.0	0		
GP-7 (16') without filter			0.0	9.5	7.8	0.0	0		
GP-7 (16') with filter			0.0	9.5	7.7	0.0	0		
GP12-09 (6') without filter			0.0	19.2	0.9	0.0	0		
GP12-09 (6') with filter			0.0	19.3	0.8	0.0	0		
GP22-13 (20') without filter			0.0	0.0	9.9	0.0	1		
GP22-13 (20') with filter			0.0	0.0	9.7	0.0	1		
GP23-13 (18.5') without filter			0.0	9.1	8.9	0.0	0		
GP23-13 (18.5') with filter			0.0	9.1	8.8	0.0	0		
GP24A-13 (20') without filter			0.0	5.2	13.1	0.0	0		
GP24A-13 (20') with filter			0.0	5.1	13.0	0.0	0		
GP24B-13 (4.5') without filter	9/20/2016	14:45 14:52 15:00 15:00 13:51 14:00 14:00 13:39 13:39 13:16 13:16 13:25 13:25	0.0	11.2	8.0	0.0	0	72 - 86	None
GP24B-13 (4.5') with filter			0.0	10.8	8.0	0.0	0		
GP-7 (8') without filter			0.0	9.6	5.8	0.0	0		
GP-7 (8') with filter			0.0	9.5	5.7	0.0	0		
GP-7 (12') without filter			0.0	8.0	7.4	0.0	0		
GP-7 (12') with filter			0.0	7.9	7.2	0.0	0		
GP-7 (16') without filter			0.0	7.5	7.5	0.0	0		
GP-7 (16') with filter			0.0	7.5	7.2	0.0	0		
GP12-09 (6') without filter			0.0	19.0	0.7	0.0	0		
GP12-09 (6') with filter			0.0	19.2	0.5	0.0	0		
GP22-13 (20') without filter			0.0	0.0	9.7	0.0	0		
GP22-13 (20') with filter			0.0	0.0	9.6	0.0	0		
GP23-13 (18.5') without filter			0.0	8.7	8.5	0.0	0		
GP23-13 (18.5') with filter			0.0	8.7	8.4	0.0	0		
GP24A-13 (20') without filter			0.0	5.0	13.4	0.0	0		
GP24A-13 (20') with filter			0.0	4.8	13.5	0.0	0		
GP24B-13 (4.5') without filter			0.0	11.6	7.1	0.0	0		
GP24B-13 (4.5') with filter			0.0	11.0	7.3	0.0	0		

Table 3

Page 12 of 13

Soil Gas Probe Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation
GP-7 (8') without filter	9/28/2016	13:53	0.0	12.9	6.6	0.0	0	50 - 60	1 inch
GP-7 (8') with filter		13:53	0.0	12.5	6.8	0.0	0		
GP-7 (12') without filter		14:00	0.0	10.5	8.7	0.0	0		
GP-7 (12') with filter		14:00	0.0	10.5	8.5	0.0	0		
GP-7 (16') without filter		14:02	0.0	9.6	8.8	0.0	0		
GP-7 (16') with filter		14:02	0.0	9.5	9.0	0.0	0		
GP12-09 (6') without filter		14:10	0.0	20.0	0.9	0.0	0		
GP12-09 (6') with filter		14:10	0.0	20.1	1.1	0.0	0		
GP22-13 (20') without filter		14:31	0.0	0.0	11	0.0	0		
GP22-13 (20') with filter		14:31	0.0	0.0	10.8	0.0	0		
GP23-13 (18.5') without filter		13:27	0.0	9.6	9.7	0.0	0		
GP23-13 (18.5') with filter		13:27	0.0	9.7	9.4	0.0	0		
GP24A-13 (20') without filter		13:09	0.0	13.2	7.3	0.0	0		
GP24A-13 (20') with filter		13:09	0.0	13.1	7.3	0.0	0		
GP24B-13 (4.5') without filter		13:17	0.0	5.1	14.0	0.0	0		
GP24B-13 (4.5') with filter		13:17	0.0	5.1	13.8	0.0	0		
GP-7 (8') without filter	10/7/2016	10:55	0.0	12.2	6.0	0.0	0.0	55 - 79	None
GP-7 (8') with filter		10:55	0.0	12.3	5.9	0.0	0.0		
GP-7 (12') without filter		10:59	0.0	9.9	7.7	0.0	0.0		
GP-7 (12') with filter		10:59	0.0	9.9	7.7	0.0	0.0		
GP-7 (16') without filter		11:03	0.0	8.4	8.4	0.0	0.0		
GP-7 (16') with filter		11:03	0.0	8.5	8.3	0.0	0.0		
GP12-09 (6') without filter		11:30	0.0	20.2	0	0.0	0.0		
GP12-09 (6') with filter		11:30	0.0	19.5	0	0.0	0.0		
GP22-13 (20') without filter		13:05	0.0	0.0	10.5	0.0	0		
GP22-13 (20') with filter		13:05	0.0	10.2	9.6	0.0	0		
GP23-13 (18.5') without filter		10:45	0.0	9.0	9.5	0.0	0.0		
GP23-13 (18.5') with filter		10:45	0.0	9.2	9.0	0.0	0.0		
GP24A-13 (20') without filter		10:34	0.0	9.9	13.8	0.0	0.0		
GP24A-13 (20') with filter		10:34	0.0	10.2	10.7	0.0	0.0		
GP24B-13 (4.5') without filter		10:38	0.0	11.6	7.6	0.0	0.0		
GP24B-13 (4.5') with filter		10:38	0.0	11.7	7.6	0.0	0.0		
GP-7 (8') without filter	10/12/2016	14:42	0.0	13.0	5.5	0.0	0.0	50 - 77	Trace
GP-7 (8') with filter		14:42	0.0	13.1	5.2	0.0	0.0		
GP-7 (12') without filter		14:38	0.0	10.9	7.3	0.0	0.0		
GP-7 (12') with filter		14:38	0.0	11.0	7.0	0.0	0.0		
GP-7 (16') without filter		14:33	0.0	9.0	8.4	0.0	0		
GP-7 (16') with filter		14:33	9.1	8.0	0.0	0.0	0		
GP12-09 (6') without filter		14:52	0.0	19.3	0.5	0.0	0		
GP12-09 (6') with filter		14:52	0.0	19.5	0.1	0.0	0		
GP22-13 (20') without filter		15:12	0.0	0.0	10.7	0.1	2		
GP22-13 (20') with filter		15:12	0.0	0.1	10.3	0.0	0		
GP23-13 (18.5') without filter		14:25	0.0	8.9	9.2	0.0	0		
GP23-13 (18.5') with filter		14:25	0.0	8.9	9.0	0.0	0		
GP24A-13 (20') without filter		14:02	0.0	4.7	14.1	0.0	0		
GP24A-13 (20') with filter		14:02	0.0	4.6	13.9	0.0	0		
GP24B-13 (4.5') without filter		14:15	0.0	16.2	6.8	0.0	0		
GP24B-13 (4.5') with filter		14:15	0.0	15.7	6.8	0.0	0		
GP-7 (8') without filter	10/21/2016	13:49	0.0	13.3	5.9	0.0	0	48 - 55	0.3 inches
GP-7 (8') with filter		13:49	0.0	14.3	5.2	0.0	0		
GP-7 (12') without filter		13:46	0.0	10.9	7.9	0.0	0		
GP-7 (12') with filter		13:46	0.0	10.9	7.8	0.0	0		
GP-7 (16') without filter		13:56	0.0	8.8	9.4	0.0	0		
GP-7 (16') with filter		13:56	0.0	9.0	9.2	0.0	0		
GP12-09 (6') without filter		14:09	0.0	20.6	0.6	0.0	0		
GP12-09 (6') with filter		14:09	0.0	20.7	0.4	0.0	0		
GP22-13 (20') without filter		12:37	2.0	0.1	11.8	0.0	0		
GP22-13 (20') with filter		12:37	2.0	0.0	11.4	0.0	0		
GP23-13 (18.5') without filter		13:40	20.1	8.2	10.5	0.0	0		
GP23-13 (18.5') with filter		13:40	20.1	8.3	10.4	0.0	0		
GP24A-13 (20') without filter		13:30	10.4	5.1	14.2	0.0	0		
GP24A-13 (20') with filter		13:30	10.4	4.9	14.1	0.0	0		
GP24B-13 (4.5') without filter		13:30	0.0	12.2	7.4	0.0	0		

Table 3

Page 13 of 13

Soil Gas Probe Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation
GP24B-13 (4.5') with filter		13:30	0.0	12.4	7.1	0.0	0		
GP-7 (8') without filter		11:45	2.25	15.0	4.9	0.0	0		
GP-7 (8') with filter		11:45	2.25	15.5	3.7	0.0	0		
GP-7 (12') without filter		11:42	1.95	12.8	6.8	0.0	0		
GP-7 (12') with filter		11:42	1.95	12.5	6.6	0.0	0		
GP-7 (16') without filter		11:43	1.55	9.6	9.0	0.0	0		
GP-7 (16') with filter		11:43	1.55	9.7	8.2	0.0	0		
GP12-09 (6') without filter		11:56	2.0	19.9	0.5	0.0	0		
GP12-09 (6') with filter		11:56	2.0	20.0	0.2	0.0	0		
GP22-13 (20') without filter		12:09	4.25	0.3	11.3	0.0	1		
GP22-13 (20') with filter		12:09	4.25	0.5	10.9	0.0	0		
GP23-13 (18.5') without filter		11:33	1.5	7.9	10.8	0.0	0		
GP23-13 (18.5') with filter		11:33	1.5	8.4	10.2	0.0	0		
GP24A-13 (20') without filter		11:25	2.0	6.0	14.0	0.0	0		
GP24A-13 (20') with filter		11:25	2.0	8.5	11.2	0.0	0		
GP24B-13 (4.5') without filter		11:28	1.65	12.7	6.8	0.0	0		
GP24B-13 (4.5') with filter		11:28	1.65	12.6	7.0	0.0	0		

Notes:

(1) -CO₂ readings started at 0.1 ppm.

PID - Photoionization Detector

O₂ - OxygenCO₂ - Carbon DioxideCH₄ - Methane

LEL - Lower Explosive Limit

NM - Not measured

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than LEL for methane (5 percent methane)

Source of weather data for July to October 2016:

https://www.wunderground.com/history/airport/KDAY/2016/9/28/DailyHistory.html?req_city=&req_state=&req_stname=&reqdb.zip=&reqdb.magic=&reqdb.wmo=

Table 4

Buried Utility Methane Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Notes
Storm Water Intake 1 without filter	9/28/2016	0.0	20.9	0.0	0.0	0	50 - 60	1 inch	Flow is southwest to MH-8
Storm Water Intake 1 with filter		0.0	20.9	0.0	0.0	0			Flow is west to MH-9
Storm Water Intake 2 without filter		0.0	20.9	0.0	0.0	0			Flow is west to MH-10
Storm Water Intake 2 with filter		0.0	20.9	0.0	0.0	0			Flow to the west
Storm Water Intake 3 without filter		0.0	21.1	0.0	0.0	0			Flow to the west
Storm Water Intake 3 with filter		0.0	21.1	0.0	0.0	0			Flow is to the west
Storm Water Intake 4 without filter		0.0	21.2	0.0	0.0	0			Flow is to the west
Storm Water Intake 4 with filter		0.0	21.1	0.0	0.0	0			Flow is to the west
Storm Water Intake 5 without filter		0.0	21.2	0.0	0.0	0			Flow is to the west
Storm Water Intake 5 with filter		0.0	21.2	0.0	0.0	0			Flow is to the west
Storm Water Intake 6 without filter		0.0	20.9	0.0	0.0	0			Flow is to the west
Storm Water Intake 6 with filter		0.0	20.9	0.0	0.0	0			DTB = 76.5 "
Manhole 7 without filter		0.0	20.9	0.0	0.0	0			Fiber Optics Vault
Manhole 7 with filter		0.0	20.9	0.0	0.0	0			SWL = 4.38' DTB = 5.50'
Manhole 8 without filter		0.0	20.8	0.0	0.0	0			Flow is to the north
Manhole 8 with filter		0.0	20.8	0.0	0.0	0			DTB = 8.85'
Manhole 9 without filter	10/7/2016	0.0	20.9	0.0	0.0	0	55 - 79	None	Flow is north to MH-8
Manhole 9 with filter		0.0	20.9	0.0	0.0	0			DTB = 8.37'
Manhole 10 without filter		0.0	21.2	0.0	0.0	0			Flow is north to MH-9
Manhole 10 with filter		0.0	21.2	0.0	0.0	0			No flow. Sanitary manhole
Sanitary Manhole without filter		0.0	21.2	0.0	0.0	1			
Sanitary Manhole with filter		0.0	21.2	0.0	0.0	1			
Storm Water Intake 1 without filter		0.0	19.9	0.0	0.0	0			
Storm Water Intake 1 with filter		0.0	19.9	0.0	0.0	0			
Storm Water Intake 2 without filter		0.0	20.0	0.0	0.0	0			
Storm Water Intake 2 with filter		0.0	20.9	0.0	0.0	0			
Storm Water Intake 3 without filter		0.0	20.6	0.0	0.0	0			
Storm Water Intake 3 with filter		0.0	20.1	0.0	0.0	0			
Storm Water Intake 4 without filter		0.0	20.2	0.0	0.0	0			
Storm Water Intake 4 with filter		0.0	20.2	0.0	0.0	0			
Storm Water Intake 5 without filter		0.0	19.9	0.0	0.0	0			
Storm Water Intake 5 with filter		0.0	19.9	0.0	0.0	0			
Storm Water Intake 6 without filter		0.0	19.6	0.0	0.0	0			
Storm Water Intake 6 with filter		0.0	19.5	0.0	0.0	0			
Manhole 7 without filter		0.0	20.1	0.0	0.0	0			
Manhole 7 with filter		0.0	20.3	0.0	0.0	0			
Manhole 8 without filter	10/12/2016	0.0	19.9	0.0	0.0	0	50 - 77	Trace	
Manhole 8 with filter		0.0	20.0	0.0	0.0	0			
Manhole 9 without filter		0.0	20.9	0.0	0.0	0			
Manhole 9 with filter		0.0	19.9	0.0	0.0	0			
Manhole 10 without filter		0.0	20.9	0.0	0.0	0			
Manhole 10 with filter		0.0	19.9	0.0	0.0	0			
Sanitary Manhole without filter		0.0	15.5	0.0	0.0	0			
Sanitary Manhole with filter		0.0	20.5	0.0	0.0	0			
Storm Water Intake 1 without filter		0.0	20.2	0.0	0.0	0			
Storm Water Intake 1 with filter		0.0	20.1	0.0	0.0	0			
Storm Water Intake 2 without filter		0.0	20.2	0.0	0.0	0			
Storm Water Intake 2 with filter		0.0	20.2	0.0	0.0	0			
Storm Water Intake 3 without filter		0.0	19.7	0.0	0.0	0			
Storm Water Intake 3 with filter		0.0	19.6	0.0	0.0	0			
Storm Water Intake 4 without filter		0.0	19.9	0.0	0.0	0			
Storm Water Intake 4 with filter		0.0	19.8	0.0	0.0	0			
Storm Water Intake 5 without filter		0.0	19.1	2.5	0.0	0			
Storm Water Intake 5 with filter		0.0	19.8	0.0	0.0	0			
Storm Water Intake 6 without filter		0.0	19.8	0.0	0.0	0			
Storm Water Intake 6 with filter		0.0	18.9	3.2	0.0	0			
Manhole 7 without filter		0.0	19.7	0.0	0.0	0			
Manhole 7 with filter		0.0	19.5	0.0	0.0	0			
Manhole 8 without filter		0.0	20.1	0.0	0.0	0			
Manhole 8 with filter		0.0	20.0	0.1	0.0	0			
Manhole 9 without filter		0.0	20.2	0.0	0.0	0			
Manhole 9 with filter		0.0	19.9	0.9	0.0	0			
Manhole 10 without filter		0.0	19.5	0.0	0.0	0			
Manhole 10 with filter		0.0	19.2	0.3	0.0	0			
Not Measured									

Table 4

Buried Utility Methane Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

10/21/2016	Storm Water Intake 1 without filter	1.1	0.0	0.0	0.0	0	48 - 55	0.3 inches	
	Storm Water Intake 1 with filter	1.1	21.1	0.1	0.0	0			
	Storm Water Intake 2 without filter	0.0	21.0	0.0	0.0	0			
	Storm Water Intake 2 with filter	0.0	21.0	0.3	0.0	0			
	Storm Water Intake 3 without filter	7.7	21.0	0.0	0.0	0			
	Storm Water Intake 3 with filter	7.7	21.1	0.0	0.0	0			
	Storm Water Intake 4 without filter	11.0	21.0	0.0	0.0	0			
	Storm Water Intake 4 with filter	11.0	21.1	0.0	0.0	0			
	Storm Water Intake 5 without filter	16.6	20.7	0.1	0.2	4			
	Storm Water Intake 5 with filter	16.6	20.8	0.3	0.0	0			
	Storm Water Intake 6 without filter	0.0	20.8	0.0	0.0	0			
	Storm Water Intake 6 with filter	0.0	20.7	0.2	0.0	0			
	Manhole 7 without filter	20.1	20.9	0.0	0.0	0			
	Manhole 7 with filter	20.1	20.9	0.1	0.0	0			
	Manhole 8 without filter	0.0	21.1	0.0	0.0	0			
	Manhole 8 with filter	0.0	21.1	0.1	0.0	0			
	Manhole 9 without filter	1.0	21.0	0.0	0.0	0			
	Manhole 9 with filter	1.0	20.9	0.2	0.0	0			
	Manhole 10 without filter	54.7	20.9	0.0	0.0	0			
	Manhole 10 with filter	54.7	21.0	0.0	0.0	0			
10/28/2016	Sanitary Manhole without filter	24.0	20.8	0.1	0	0	43 - 64	None	
	Sanitary Manhole with filter	24.0	20.7	0.3	0	0			
	Storm Water Intake 1 without filter	1.9	20.8	0.0	0.0	0			
	Storm Water Intake 1 with filter	1.9	20.8	0.1	0.0	0			
	Storm Water Intake 2 without filter	2.8	20.4	0.0	0.0	0			
	Storm Water Intake 2 with filter	2.8	20.3	0.3	0.0	0			
	Storm Water Intake 3 without filter	0.7	21.0	0.0	0.0	0			
	Storm Water Intake 3 with filter	0.7	21.0	0.0	0.0	0			
	Storm Water Intake 4 without filter	3.2	20.8	0.0	0.0	0			
	Storm Water Intake 4 with filter	3.2	20.8	0.1	0.0	0			
	Storm Water Intake 5 without filter	3.5	20.7	0.0	0.0	0			
	Storm Water Intake 5 with filter	3.5	20.6	0.2	0.0	0			
	Storm Water Intake 6 without filter	1.3	21.3	0.0	0.0	0			
	Storm Water Intake 6 with filter	1.3	20.9	1.0	0.0	0			
	Manhole 7 without filter	3.1	21.1	0.0	0.0	0			
	Manhole 7 with filter	3.1	21.1	0.1	0.0	0			
	Manhole 8 without filter	3.0	20.7	0.0	0.0	0			
	Manhole 8 with filter	3.0	20.7	0.2	0.0	0			
	Manhole 9 without filter	2.7	20.4	0.0	0.0	0			
	Manhole 9 with filter	2.7	20.4	0.2	0.0	0			
	Manhole 10 without filter	2.3	21.1	0.1	0.0	0			
	Manhole 10 with filter	2.3	21.1	0.1	0.0	0			
	Sanitary Manhole without filter	3.7	20.4	0.1	0	0			
	Sanitary Manhole with filter	3.7	20.2	0.7	0	0			

Notes:

PID - Photoionization Detector

O₂ - OxygenCO₂ - Carbon DioxideCH₄ - Methane

LEL - Lower Explosive Limit

NM - Not measured

DTB - Depth to bottom

SWL - Water level (below ground surface)

Source of weather data for July to October 2016:

https://www.wunderground.com/history/airport/KDAY/2016/9/28/DailyHistory.html?req_city=&req_s

tate=&req_statename=&reqdb.zip=&reqdb.magic=&reqdb.wmo=